

## RNA binding protein fox-1 homolog 2 Recombinant Protein | RBFOX2 recombinant protein

Recombinant Human RNA binding protein fox-1 homolog 2

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA114604</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

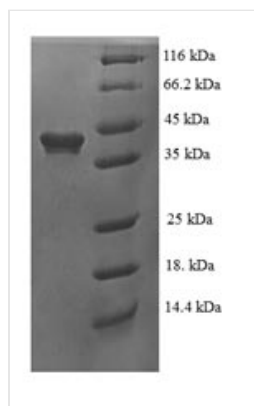
### PRODUCT SYNONYMS

RNA binding protein fox-1 homolog 2; Recombinant Human RNA binding protein fox-1 homolog 2; Fox-1 homolog B; Hexaribonucleotide-binding protein 2; RNA-binding motif protein 9; RNA-binding protein 9; Repressor of tamoxifen transcriptional activity; RBFOX2 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Positions      | 1-380aa; Full-Length of Isoform 10                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                | MEKKKMVTQG NQEPTTTPDA MVQPFTTIPF PPPPQNGIPT EYGVPHQTQDY AGQTGEHNLT LYGSTQAHGE<br>QSSNSPSTQN GSLTTEGGAQ TDGQQSQTQS SENSESKSTP KRLHVSNIPI RFRDPDLRQM FGQFGKILDV<br>EIIIFNERGSK GFGFVTFENS ADADRAREKL HGTVVEGRKI EVNNATARVM TNKKMVTPYA NGWKLSPVVG<br>AVYGPELYAA SSFQADVSLG NDAAVPLSGR GGINTYIPLI SLPLVPGFPY PTAATTAAAF RGAHLRGRGR<br>TVYGAVRAVP PTAIPAYPGV VYQDGFYGAD LYGGYAAARY AQPATATAAT AAAAAAAYS DGYGRVYTAD<br>PYHALAPAAS YGVGAVASLY RGGYSRFAPY |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>RBFOX2 recombinant protein | RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis. RNA-binding protein that ses to act as a coregulatory factor of ER-alpha. 1 Publication |
| Product Categories/Family for RBFOX2<br>recombinant protein   | <a href="#">Transcription</a>                                                                                                                                                                                                                                                                                                                                    |

References

A negative coregulator for the human ER.Norris J.D., Fan D., Sherk A., McDonnell D.P.Mol. Endocrinol. 16:459-468(2002) Chen W., Winkelmann J.C.A novel isoform of RNA binding motif protein 9.Yang G., Huang S.C., Benz E.J. Jr.Reevaluating human gene annotation a second-generation analysis of chromosome 22.Collins J.E., Goward M.E., Cole C.G., Smink L.J., Huckle E.J., Knowles S., Bye J.M., Beare D.M., Dunham I.Genome Res. 13:27-36(2003) A genome annotation-driven approach to cloning the human ORFeome.Collins J.E., Wright C.L., Edwards C.A., Davis M.P., Grinham J.A., Cole C.G., Goward M.E., Aguado B., Mallya M., Mokrab Y., Huckle E.J., Beare D.M., Dunham I.Genome Biol. 5:R84.1-R84.11(2004) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Zhou G., Nong W., Li H., Ke R., Shen C., Liang M., Tang Z., Huang B., Lin L., Yang S.The DNA sequence of human chromosome 22.Dunham I., Hunt A.R., Collins J.E., Bruskiewich R., Beare D.M., Clamp M., Smink L.J., Ainscough R., Almeida J.P., Babbage A.K., Bagguley C., Bailey J., Barlow K.F., Bates K.N., Beasley O.P., Bird C.P., Blakey S.E., Bridgeman A.M., Buck D., Burgess J., Burrill W.D., Burton J., Carder C., Carter N.P., Chen Y., Clark G., Clegg S.M., Cobley V.E., Cole C.G., Collier R.E., Connor R., Conroy D., Corby N.R., Coville G.J., Cox A.V., Davis J., Dawson E., Dhani P.D., Dockree C., Dodsworth S.J., Durbin R.M., Ellington A.G., Evans K.L., Fey J.M., Fleming K., French L., Garner A.A., Gilbert J.G.R., Goward M.E., Grafham D.V., Griffiths M.N.D., Hall C., Hall R.E., Hall-Tamlyn G., Heathcote R.W., Ho S., Holmes S., Hunt S.E., Jones M.C., Kershaw J., Kimberley A.M., King A., Laird G.K., Langford C.F., Leversha M.A., Lloyd C., Lloyd D.M., Martyn I.D., Mashreghi-Mohammadi M., Matthews L.H., Mccann O.T., Mcclay J., McLaren S., McMurray A.A., Milne S.A., Mortimore B.J., Odell C.N., Pavitt R., Pearce A.V., Pearson D., Phillimore B.J.C.T., Phillips S.H., Plumb R.W., Ramsay H., Ramsey Y., Rogers L., Ross M.T., Scott C.E., Sehra H.K., Skuce C.D., Smalley S., Smith M.L., Soderlund C., Spragon L., Steward C.A., Sulston J.E., Swann R.M., Vaudin M., Wall M., Wallis J.M., Whiteley M.N., Willey D.L., Williams L., Williams S.A., Williamson H., Wilmer T.E., Wilming L., Wright C.L., Hubbard T., Bentley D.R., Beck S., Rogers J., Shimizu N., Minoshima S., Kawasaki K., Sasaki T., Asakawa S., Kudoh J., Shintani A., Shibuya K., Yoshizaki Y., Aoki N., Mitsuyama S., Roe B.A., Chen F., Chu L., Crabtree J., Deschamps S., Do A., Do T., Dorman A., Fang F., Fu Y., Hu P., Hua A., Kenton S., Lai H., Lao H.I., Lewis J., Lewis S., Lin S.-P., Loh P., Malaj E., Nguyen T., Pan H., Phan S., Qi S., Qian Y., Ray L., Ren Q., Shaull S., Sloan D., Song L., Wang Q., Wang Y., Wang Z., White J., Willingham D., Wu H., Yao Z., Zhan M., Zhang G., Chissoe S., Murray J., Miller N., Minx P., Fulton R., Johnson D., Bemis G., Bentley D., Bradshaw H., Bourne S., Cordes M., Du Z., Fulton L., Goela D., Graves T., Hawkins J., Hinds K., Kemp K., Latreille P., Layman D., Ozersky P., Rohlfing T., Scheet P., Walker C., Wamsley A., Wohldmann P., Pepin K., Nelson J., Korf I., Bedell J.A., Hillier L.W., Mardis E., Waterston R., Wilson R., Emanuel B.S., Shaikh T., Kurahashi H., Saitta S., Budarf M.L., McDermid H.E., Johnson A., Wong A.C.C., Morrow B.E., Edelman L., Kim U.J., Shizuya H., Simon M.I., Dumanski J.P., Peyrard M., Kedra D., Seroussi E., Fransson I., Tapia I., Bruder C.E., O'Brien K.P., Wilkinson P., Bodenteich A., Hartman K., Hu X., Khan A.S., Lane L., Tilahun Y., Wright H.Nature 402:489-495(1999) XRbm9, a new XGld2-interacting protein, enhances translation in Xenopus oocytes.Papin C.Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Solution structure of RNA binding domain in RNA binding motif protein 9.RIKEN structural genomics initiative (RSGI) Submitted (NOV-2005) to the PDB data bank

NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 72534682 |
| NCBI GeneID | 23543    |

|                                  |                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_001026865.1</a>                                                                                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001031695.2</a>                                                                                                                                                                                                                                                                            |
| UniProt Accession #              | <a href="#">O43251</a> ; <a href="#">Q0PRL5</a> ; <a href="#">Q0VH35</a> ; <a href="#">Q5TF71</a> ; <a href="#">Q6IC09</a> ; <a href="#">Q8TD00</a> ; <a href="#">Q8WYB1</a> ; <a href="#">Q96DZ6</a> ; <a href="#">A4F5G8</a> ; <a href="#">A8K5Z5</a> ; <a href="#">B0QYY8</a> ; <a href="#">B0QYY9</a> |
| Molecular Weight                 | 44.4 kDa                                                                                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | RNA binding protein fox-1 homolog 2 isoform 1                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | RNA binding protein, fox-1 homolog (C. elegans) 2                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | RBFOX2                                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | RTA; fxh; FOX2; RBM9; Fox-2; HNRBP2; HRNBP2; dJ106I20.3                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | RNA binding protein fox-1 homolog 2                                                                                                                                                                                                                                                                       |
| UniProt Protein Name             | RNA binding protein fox-1 homolog 2                                                                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>RBFOX2</b>                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | FOX2; HRNBP2; RBM9; RTA                                                                                                                                                                                                                                                                                   |
| UniProt Entry Name               | RFOX2_HUMAN                                                                                                                                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/rbfox2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114604>