

## T-box transcription factor TBX18 Recombinant Protein | TBX18 recombinant protein

Recombinant Human T-box transcription factor TBX18

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA114855</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

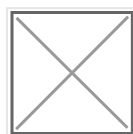
### PRODUCT SYNONYMS

T-box transcription factor TBX18; Recombinant Human T-box transcription factor TBX18; TBX18 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      | 1-607aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                | MAEKRRGSPC SMLSLKAHAF SVEALIGAEK QQQLQKRRK LGAEAAAGAV DDGGCSRGGG AGEKGSSEGD EGAALPPPAG ATSGPARSGA DLERGAAGGC EDGFQQGASP LSPGGSPKG SPARSLARPG TPLSPQAPR VDLQGAELWK RFHEIGTEMI ITKAGRRMFP AMRVKISGLD PHQQYYIAMD IVPVDNKRYR YVYHSSKWMV AGNADSPVPP RVYIHPDSPA SGETWMRQVI SFDKLKLTNN ELDDQGHIL HSMHKYQPRV HVIRKDCGDD LSPIKPVPSG EGVKAFSFPE TVFTTVTAYQ NQQITRLKID RNPFAKGFRD SGRNRMGLEA LVESYAFWRP SLRTLTFEDI PGIPKQGNAS SSTLLQGTGN GVPATHPHLL SGSSCSPAF HLGPNTSQLC SLAPADYSAC ARSGLTLNRY STSLAETYNR LTNQAGETFA PPRTPSYGVV SSSTSVNMSM GGTGDGTFSC PQTSLSMQIS GMSPQLQYIM PSPSSNAFAT NQTHQGSYNT FRLHSPCALY GYNFSTSPKL AASPEKIVSS QGSFLGSSPS GTMTDRQMLP PVEGVHLLSS GGQQSFFDSR TLGSLTLSSS QVSAHMOV |
| Sequence Length         | 607                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 TBX18 recombinant protein | Acts as transcriptional repressor involved in developmental processes of a variety of tissues and organs, including the heart and coronary vessels, the ureter and the vertebral column. Required for embryonic development of the sino atrial node (SAN) head area. |
| Product Categories/Family for TBX18 recombinant protein   | <a href="#">Transcription</a>                                                                                                                                                                                                                                        |

References

The DNA sequence and analysis of human chromosome 6.Mungall A.J., Palmer S.A., Sims S.K., Edwards C.A., Ashurst J.L., Wilming L., Jones M.C., Horton R., Hunt S.E., Scott C.E., Gilbert J.G.R., Clamp M.E., Bethel G., Milne S., Ainscough R., Almeida J.P., Ambrose K.D., Andrews T.D., Ashwell R.I.S., Babbage A.K., Bagguley C.L., Bailey J., Banerjee R., Barker D.J., Barlow K.F., Bates K., Beare D.M., Beasley H., Beasley O., Bird C.P., Blakey S.E., Bray-Allen S., Brook J., Brown A.J., Brown J.Y., Burford D.C., Burrill W., Burton J., Carder C., Carter N.P., Chapman J.C., Clark S.Y., Clark G., Clee C.M., Clegg S., Cobley V., Collier R.E., Collins J.E., Colman L.K., Corby N.R., Coville G.J., Culley K.M., Dhami P., Davies J., Dunn M., Earthrowl M.E., Ellington A.E., Evans K.A., Faulkner L., Francis M.D., Frankish A., Frankland J., French L., Garner P., Garnett J., Ghori M.J., Gilby L.M., Gillson C.J., Glithero R.J., Grafham D.V., Grant M., Gribble S., Griffiths C., Griffiths M.N.D., Hall R., Halls K.S., Hammond S., Harley J.L., Hart E.A., Heath P.D., Heathcott R., Holmes S.J., Howden P.J., Howe K.L., Howell G.R., Huckle E., Humphray S.J., Humphries M.D., Hunt A.R., Johnson C.M., Joy A.A., Kay M., Keenan S.J., Kimberley A.M., King A., Laird G.K., Langford C., Lawlor S., Leongamornlert D.A., Leversha M., Lloyd C.R., Lloyd D.M., Loveland J.E., Lovell J., Martin S., Mashreghi-Mohammadi M., Maslen G.L., Matthews L., McCann O.T., McLaren S.J., McLay K., McMurray A., Moore M.J.F., Mullikin J.C., Niblett D., Nickerson T., Novik K.L., Oliver K., Overton-Larty E.K., Parker A., Patel R., Pearce A.V., Peck A.I., Phillimore B.J.C.T., Phillips S., Plumb R.W., Porter K.M., Ramsey Y., Ranby S.A., Rice C.M., Ross M.T., Searle S.M., Sehra H.K., Sheridan E., Skuce C.D., Smith S., Smith M., Spraggon L., Squares S.L., Steward C.A., Sycamore N., Tamlyn-Hall G., Tester J., Theaker A.J., Thomas D.W., Thorpe A., Tracey A., Tromans A., Tubby B., Wall M., Wallis J.M., West A.P., White S.S., Whitehead S.L., Whittaker H., Wild A., Willey D.J., Wilmer T.E., Wood J.M., Wray P.W., Wyatt J.C., Young L., Younger R.M., Bentley D.R., Coulson A., Durbin R.M., Hubbard T., Sulston J.E., Dunham I., Rogers J., Beck S.Nature 425:805-811(2003) Identification, mapping and phylogenomic analysis of four new human members of the T-box gene family EOMES, TBX6, TBX18, and TBX19.Yi C.-H., Terrett J.A., Li Q.-Y., Ellington K., Packham E.A., Amstrong-Buisseret L., McClure P., Slingsby T., Brook J.D.Genomics 55:10-20(1999)

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 122937456                        |
| NCBI GeneID                      | 9096                             |
| NCBI Accession #                 | NP_001073977.1                   |
| NCBI GenBank Nucleotide #        | NM_001080508.2                   |
| UniProt Accession #              | O95935; Q7Z6U4; Q9UJI6; A2RU13   |
| Molecular Weight                 | 80.8 kDa                         |
| NCBI Official Full Name          | T-box transcription factor TBX18 |
| NCBI Official Synonym Full Names | T-box 18                         |
| NCBI Official Symbol             | TBX18                            |
| NCBI Protein Information         | T-box transcription factor TBX18 |
| UniProt Protein Name             | T-box transcription factor TBX18 |
| UniProt Gene Name                | TBX18                            |
| UniProt Synonym Gene Names       | T-box protein 18                 |
| UniProt Entry Name               | TBX18_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.