

Transcriptional enhancer factor TEF-3 (TEAD4) Recombinant Protein | TEAD4 recombinant protein

Recombinant Human Transcriptional enhancer factor TEF-3 (TEAD4), Partial

CATALOG # AAA18788	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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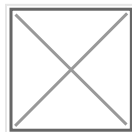
PRODUCT SYNONYMS

Transcriptional enhancer factor TEF-3 (TEAD4); Recombinant Human Transcriptional enhancer factor TEF-3 (TEAD4); Partial; TEA domain family member 4; TEAD-4; Transcription factor 13-like 1; Transcription factor RTEF-1; TEAD4 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	74-434aa; Partial
Sequence	MYGRNELIAR YIKLRTGKTR TRKQVSSHIQ VLARRKAREI QAKLKDQAAK DKALQSMAAM SSAQIISATA FHSSMALARG PGRPAVSGFW QGALPGQAGT SHDVKPFSQQ TYAVQPPLPL PGFESPAGPA PSPSAPPAPP WQGRSVASSK LWMLEFSAFL EQQDPDTYN KHLFVHIGQS SPSYSDPYLE AVDIRQIYDK FPEKKGGLKD LFERGPSNAF FLVKFWADLN TNIEDEGSSF YGVSSQYESP ENMIITCSTK VCSFGKQVVE KVETEYARYE NGHYSYRIHR SPLCEYMINF IHKLKHLPEK YMMNSVLENF TILQVVTNRD TQETLLCIAY VFEVSASEHG AQHHIYRLVK E
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 TEAD4 recombinant protein	Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (T) induction. Binds specifically and non-cooperatively to the Sph and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription. Binds to the M-CAT motif.
Product Categories/Family for TEAD4 recombinant protein	Transcription

References

Cloning of human RTEF-1, a transcriptional enhancer factor-1-related gene preferentially expressed in skeletal muscle evidence for an ancient multigene family.Stewart A.F.R., Richard C.W. III, Suzow J., Stephan D., Weremowicz S., Morton C.C., Adra C.N.Genomics 37:68-76(1996) The full-ORF clone resource of the German cDNA consortium.Bechtel S., Rosenfelder H., Duda A., Schmidt C.P., Ernst U., Wellenreuther R., Mehrle A., Schuster C., Bahr A., Bloecker H., Heubner D., Hoerlein A., Michel G., Wedler H., Koehrer K., Ottenwaelder B., Poustka A., Wiemann S., Schupp I.BMC Genomics 8:399-399(2007) The finished DNA sequence of human chromosome 12.Scherer S.E., Muzny D.M., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J., Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R., Lozado R.J., Metzker M.L., Milosavljevic A., Miner G.R., Montgomery K.T., Morgan M.B., Nazareth L.V., Scott G., Sodergren E., Song X.-Z., Steffen D., Lovering R.C., Wheeler D.A., Worley K.C., Yuan Y., Zhang Z., Adams C.Q., Ansari-Lari M.A., Ayele M., Brown M.J., Chen G., Chen Z., Clerc-Blankenburg K.P., Davis C., Delgado O., Dinh H.H., Draper H., Gonzalez-Garay M.L., Havlak P., Jackson L.R., Jacob L.S., Kelly S.H., Li L., Li Z., Liu J., Liu W., Lu J., Maheshwari M., Nguyen B.-V., Okwuonu G.O., Pasternak S., Perez L.M., Plopper F.J.H., Santibanez J., Shen H., Tabor P.E., Verduzco D., Waldron L., Wang Q., Williams G.A., Zhang J., Zhou J., Allen C.C., Amin A.G., Anyalebechi V., Bailey M., Barbaria J.A., Bimage K.E., Bryant N.P., Burch P.E., Burkett C.E., Burrell K.L., Calderon E., Cardenas V., Carter K., Casias K., Cavazos I., Cavazos S.R., Ceasar H., Chacko J., Chan S.N., Chavez D., Christopoulos C., Chu J., Cockrell R., Cox C.D., Dang M., Dathorne S.R., David R., Davis C.M., Davy-Carroll L., Deshazo D.R., Donlin J.E., D'Souza L., Eaves K.A., Egan A., Emery-Cohen A.J., Escotto M., Flagg N., Forbes L.D., Gabisi A.M., Garza M., Hamilton C., Henderson N., Hernandez O., Hines S., Hogues M.E., Huang M., Idlebird D.G., Johnson R., Jolivet A., Jones S., Kagan R., King L.M., Leal B., Lebow H., Lee S., LeVan J.M., Lewis L.C., London P., Lorensuhewa L.M., Loulseged H., Lovett D.A., Lucier A., Lucier R.L., Ma J., Madu R.C., Mapua P., Martindale A.D., Martinez E., Massey E., Mawhiney S., Meador M.G., Mendez S., Mercado C., Mercado I.C., Merritt C.E., Miner Z.L., Minja E., Mitchell T., Mohabbat F., Mohabbat K., Montgomery B., Moore N., Morris S., Munidasa M., Ngo R.N., Nguyen N.B., Nickerson E., Nwaokelemeh O.O., Nwokenkwo S., Obregon M., Oguh M., Oragunye N., Oviedo R.J., Parish B.J., Parker D.N., Parrish J., Parks K.L., Paul H.A., Payton B.A., Perez A., Perrin W., Pickens A., Primus E.L., Pu L.-L., Puazo M., Quiles M.M., Quiroz J.B., Rabata D., Reeves K., Ruiz S.J., Shao H., Sisson I., Sonaike T., Sorelle R.P., Sutton A.E., Svatek A.F., Svetz L.A., Tamerisa K.S., Taylor T.R., Teague B., Thomas N., Thorn R.D., Trejos Z.Y., Trevino B.K., Ukegbu O.N., Urban J.B., Vasquez L.I., Vera V.A., Villasana D.M., Wang L., Ward-Moore S., Warren J.T., Wei X., White F., Williamson A.L., Wleczyk R., Wooden H.S., Wooden S.H., Yen J., Yoon L., Yoon V., Zorrilla S.E., Nelson D., Kucherlapati R., Weinstock G., Gibbs R.A.Nature 440:346-351(2006) Mural R.J., Istrail S., Sutton G., Florea L., Halpern A.L., Mobarry C.M., Lippert R., Walenz B., Shatkay H., Dew I., Miller J.R., Flanigan M.J., Edwards N.J., Bolanos R., Fasulo D., Halldorsson B.V., Hannenhalli S., Turner R., Yooseph S., Lu F., Nusskern D.R., Shue B.C., Zheng X.H., Zhong F., Delcher A.L., Huson D.H., Kravitz S.A., Mouchard L., Reinert K., Remington K.A., Clark A.G., Waterman M.S., Eichler E.E., Adams M.D., Hunkapiller M.W., Myers E.W., Venter J.C. A novel family of developmentally regulated mammalian transcription factors containing the TEA/ATTS DNA binding domain.Jacquemin P., Hwang J.-J., Martial J.A., Dolle P., Davidson I.J. Biol. Chem. 271:21775-21785(1996) Role of MCAT binding factors during muscle hypertrophy.Tsika R.W., Karasheva N.G., Tsika G.L.TEAD mediates YAP-dependent gene induction and growth control.Zhao B., Ye X., Yu J., Li L., Li W., Li S., Yu J., Lin J.D., Wang C.Y., Chinnaiyan A.M., Lai Z.C., Guan K.L.Genes Dev. 22:1962-1971(2008) TEAD transcription factors mediate the function of TAZ in cell growth and epithelial-mesenchymal transition.Zhang H., Liu C.Y., Zha Z.Y., Zhao B., Yao J., Zhao S., Xiong Y., Lei Q.Y., Guan K.L.J. Biol. Chem. 284:13355-13362(2009) Structural basis of YAP recognition by TEAD4 in the hippo pathway.Chen L., Chan S.W., Zhang X., Walsh M., Lim C.J., Hong W., Song H.Genes Dev. 24:290-300(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46411152
NCBI GeneID	7004
NCBI Accession #	NP_003204.2
NCBI GenBank Nucleotide #	NM_003213.3
UniProt Accession #	Q15561; Q6MZR9; Q8NEV5; Q92883; Q96BK2; H0Y308
Molecular Weight	44.7 kDa
NCBI Official Full Name	transcriptional enhancer factor TEF-3 isoform 1
NCBI Official Synonym Full Names	TEA domain transcription factor 4
NCBI Official Symbol	TEAD4
NCBI Official Synonym Symbols	TEF3; RTEF1; TEF-3; EFTR-2; TEFR-1; TCF13L1; hRTEF-1B

NCBI Protein Information	transcriptional enhancer factor TEF-3
UniProt Protein Name	Transcriptional enhancer factor TEF-3
UniProt Gene Name	TEAD4
UniProt Synonym Gene Names	RTEF1; TCF13L1; TEF3; TEAD-4
UniProt Entry Name	TEAD4_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.

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