



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

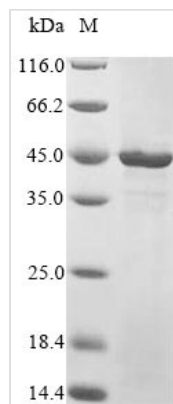
Product Code	CSB-EP618010HU
Relevance	Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, 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 (EMT) 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.
Abbreviation	Recombinant Human TEAD4 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q15561
Alias	TEA domain family member 4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKAL QSMAAMSSAQIISATAFHSSMALARGPGRPAPVSGFWQGALPGQAGTSHDVK PFSQQTYAVQPPLPLPGFESPAGPAPSPSAPPAPPWQGRSVASSKLWMLEFS AFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKGGLKDL FERGPSNAFFLVKFWADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCSF GKQVVEKVETERYARYENGHYSYRIHRSPICEYMINFIHKLKHLPEKYMMNSVL ENFTILQVVTNRDTQETLLCIAVFEVSASEHGAQHIIYRLVKE
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	TEAD4
Expression Region	74-434aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 44.7kDa

Protein Length Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

E.coli-expressed Recombinant Human Transcriptional enhancer factor TEF-3 (TEAD4) is a partial-length protein containing 361 amino acids. It carries a 6xHis-tag at the N-terminus. Its expression region is the 74-434aa of the human TEAD4 protein. The SDS-PAGE analysis determined its purity greater than 90% and showed a molecular weight band of about 45 kDa. This protein is in-stock so that it will reach your lab bench faster. In addition to serving as an immunogen for antibody synthesis, the recombinant TEAD4 protein may also be used in the studies of epigenetics and nuclear signaling.

TEAD4 is a transcriptional enhancer factor widely expressed in eukaryotic cells. Studies have uncovered that TEAD4 is involved in the multi-level dysregulation and oncogenic characteristics of gastric cancer (GC) and the development of pancreatic cancer. Its transcriptional coactivator Yes-associated protein (YAP) is a major regulator of organ size and proliferation, and increased YAP/TEAD4 activity is correlated to cancer progression and metastasis. Biswarup Saha etc. revealed that the Hippo signaling effector TEAD4 is indispensable for the establishment of pregnancy in a postimplantation mammalian embryo.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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