

Recombinant Human TEAD4 Protein (74-434 aa), His-SUMO-tagged

Cat. No. TEAD4-1005H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human TEAD4 Protein (74-434 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Partial.

Species Human

Source E.coli

ProteinLength 74-434 aa

Description 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.

Form Tris-based buffer, 50% glycerol

Molecular Mass 56.7 kDa

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AA Sequence

MYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKALQSM
 AAMSSAQIISATAFHSSMALARGPGRPAVSGFWQGALPGQAGTSHDVKPFSQQTY
 AVQPPLPLPGFESPAGPAPSPSAPPAPPWQGRSVASSKLWMLFSAFLEQQQDPD
 TYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKGGLKDLFERGPSNAFFLVKF
 WADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCSEFGKQVVEKVETEYARYENG
 HYSYRIHRSPICEYMINFIHKLKHLPEKYMMNSVLENFTILQVVVTNRDTQETLLCIAYV
 FEVSASEHGAQHIIYRLVKE

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [TEAD4 TEA domain family member 4 \[Homo sapiens \]](#)

Official Symbol [TEAD4](#)

Synonyms TEAD4; TCF13L1; EFTR 2; RTEF 1; TEF 3; TEF3; RTEF1; TEF-3; EFTR-2; TEF3-1; hRTEF-1B; MGC9014;

Gene ID [7004](#)

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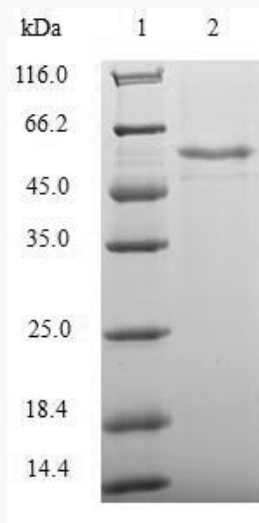
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mRNA Refseq [NM_003213](#)

Protein Refseq [NP_003204](#)

MIM [601714](#)

UniProt ID [Q15561](#)



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

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