



# Recombinant Human Transcriptional enhancer factor TEF-1 (TEAD1)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-EP023363HU   |
| <b>Relevance</b>         | 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 cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif. |
| <b>Abbreviation</b>      | Recombinant Human TEAD1 protein  |
| <b>Storage</b>           | 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.  |
| <b>Uniprot No.</b>       | P28347   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥ 85% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | MEPSSWSGSESPAENMERMMSDSADKPIDNDAEGVWSPDIEQSFQEALAIYPP<br>CGRRKIILSDEGKMYGRNELIARYIKLRTGKTRTRKQVSSHQVLARRKSRDFH<br>SKLKDQTAQDKALQHMAAMSSAQIVSATAIHNLKGLPGIPRPTFPGAPGFWPG<br>MIQTGQPGSSQDVKPFVQQAYPIQPAVTAPIPGFEPASAPAPSVPAAWQGRSIG<br>TTKLRLVEFSAFLEQQRDPDSYNKHLFVHIGHANHSYSDPLLESVDIRQIYDKF<br>PEKKGGLKELFGKGPQNAFFLVKFWADLNCNIQDDAGAFYGVTSQYESSENM<br>TVTCTKVCVCSFGKQVVEKQVETEARFENGRFVYRINRSPMCEYMINFIHKLKHL<br>PEKYMMNSVLENFTILLVVVTRNDRDQETLLCMACVFVSNSEHGAQHHIYRLVK<br>D  |
| <b>Research Area</b>     | others   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | TEAD1  |
| <b>Protein Names</b>     | NTEF-1Protein GT-IICTEA domain family member 1   |
| <b>Expression Region</b> | 1-426aa  |



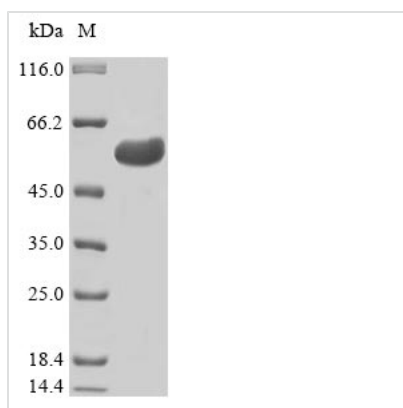
**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info** N-terminal 6xHis-tagged

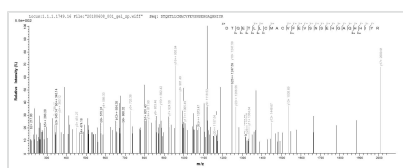
**Mol. Weight** 51.9 kDa

**Protein Length** Full Length

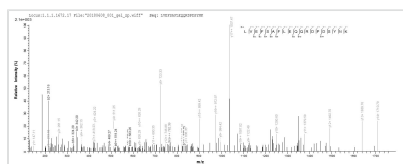
**Image**



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP023363HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) TEAD1.



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**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.

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