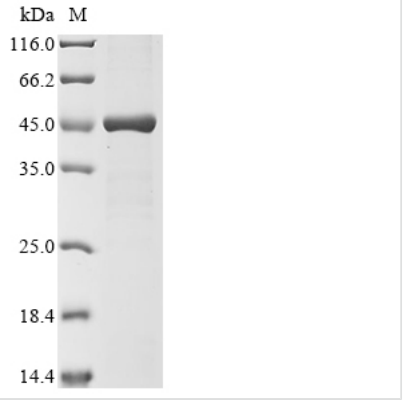
Recombinant Human Transcriptional enhancer factor TEF-4 (TEAD2), partial

Product Code	CSB-EP613597HU1
Abbreviation	Recombinant Human TEAD2 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.	Q15562
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	TRTRKQVSSHIQVLARRKSREIQSKLKDQVSKDKAFQTMATMSSAQLISAPSL QAKLGPTGPQASELFQFWSGGSGPPWNVPDVKPFSQTPFTLSLTPPSTDLPG YEPPQALSPLPPPTPSPPAWQARGLGTARLQLVEFSAFVEPPDAVDSYQRHL FVHISQHCPSPGAPPLESVDVRQIYDKFPEKKGGLRELYDRGPPHAFFLVKFW ADLNWGPSGEEAGAGGSISSGGFYGVSSQYESLEHMTLTCSSKVCSFGKQV VEKVETERAQLEDGRFVYRLLRSPMCEYLVNFLHKLRQLPERYMMNSVLENF TILQVVTNRDTQELLLCTAYVFEVSTSERGAQHHIYRLVRD
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	TEAD2
Expression Region	94-447aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	47.0 kDa
Protein Length	Partial
Image	



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

Description

The recombinant Human TEAD2 was expressed with the amino acid range of 94-447. This TEAD2 protein is expected to have a theoretical molecular weight of 47.0 kDa. This protein is generated in a e.coli-based system. The TEAD2 coding gene included the N-terminal 10xHis tag and C-terminal Myc tag, which simplifies the detection and purification processes of the recombinant TEAD2 protein in following stages of expression and purification.

The human transcriptional enhancer factor TEF-4, also known as TEAD2, is a member of the TEAD family of transcription factors. TEAD2 plays a crucial role in the regulation of gene expression by binding to the MCAT element (Muscle CAT box), a common cis-regulatory element found in muscle-specific genes. TEAD2 is involved in various biological processes, including embryonic development, cell proliferation, and tissue homeostasis. It acts as a transcriptional coactivator and interacts with different transcription factors, such as Yes-associated protein (YAP) and transcriptional coactivator with PDZ-binding motif (TAZ), forming complexes that modulate gene expression. TEAD2's involvement in the Hippo signaling pathway underscores its significance in development, organ size control, and cancer progression. Understanding TEAD2's functions is crucial for unraveling its contributions to normal physiological processes and disease states.

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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