

Recombinant Human TEAD2 protein, His/Sumo-tagged

Cat. No. TEAD2-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TEAD2(94-447aa) fused with His/Sumo tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	94-447aa
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 (EMT) induction. Binds to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	55.29kDa
AA Sequence	TRTRKQVSSHIQVLARRKSREIQSKLKDQVSKDKAFQTMATMSSAQLISAPSLQAKL

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GPTGPQASELFQFWSSGGSGPPWNVPDVKPFSTPFTLSLTPPSTDLPGYEPPQAL
 SPLPPPTSPPPAWQARGLTARLQLVEFSAFVEPPDAVDSYQRHLFVHISQHCPS
 GAPPLESVDVRQIYDKFPEKKGGLRELYDRGPPHAFFLVKFWADLNWGPGSGEEAG
 AGGSISSGGFYGVSSQYESLEHMTLTCSSKVCSTFGKQVVEKVETERAQLEDGRFVY
 RLLRSPMCEYLVNFLHKLRLQLPERYMMNSVLENFTILQVVTNRDTQELLCTAYVFE
 VSTSERGAQHIIYRLVRD

Purity Greater than 80% 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 Store at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name TEAD2 TEA domain family member 2 [Homo sapiens]

Official Symbol TEAD2

Synonyms TEAD2; TEA domain family member 2; transcriptional enhancer factor TEF-4; ETF; TEF 4; TEF4; TEF-4; TEAD-2;

Gene ID 8463

mRNA Refseq NM_001256658

Protein Refseq NP_001243587

MIM 601729

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UniProt ID	Q15562
Chromosome Location	19q13.3
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem;
Function	DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;