

Recombinant Human TEAD2 Protein, His-tagged

Cat. No. TEAD2-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TEAD2 (aa217-447), with C-terminal His-tag, was expressed from E.coli and purified by a three-step chromatographic procedure comprising affinity, ion exchange and gel filtration chromatography steps.
Species	Human
Source	E.coli
ProteinLength	217-447 a.a.
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 'enhancers' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.
Molecular Mass	29.7 kDa
Purity	>95%

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Storage Buffer	20 mM TRIS/HCl pH 8.0, 100 mM NaCl, 2 mM MgCl ₂ , 1 mM TCEP, 5% glycerol
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GENE INFORMATION

Gene Name	TEAD2 TEA domain transcription factor 2 [Homo sapiens (human)]
Official Symbol	TEAD2
Synonyms	TEAD2; TEA domain transcription factor 2; ETF; TEF4; TEF-4; TEAD-2; transcriptional enhancer factor TEF-4; TEA domain family member 2
Gene ID	8463
mRNA Refseq	NM_001256658
Protein Refseq	NP_001243587
MIM	601729
UniProt ID	Q15562

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