

Recombinant human TEA domain transcription factor 1 protein, His-tagged

Cat. No. TEAD1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TEA domain transcription factor 1 with N-terminal His6 fusion tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	209-426aa
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 specifically and cooperatively to the SPH and GT-IIC 'enhancers' (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.
Form	Buffered aqueous solution

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Molecular Mass	28.6 kDa
AA Sequence	MHHHHHHLVPRGSLNDIFEAQKIEWHERSIGTTKLRLVEFSASFLEQQRDPDSYNK HLFVHIGHANHSYSDPLLESVDIRQIYDKFPEKKGGLKELFGKGPQNAFFLVKFWAD LNCNIQDDAGAFYGVTSQYESSENMTVTCSTKVCSFGKQVVEKVETERYARFENGFRF VYRINRSPMCEYMINFIHKLKHLPEKYMMSVLENFTILLVVTNRDTQETLLCMACVF EVSNSEHGAQHIIYRLVKD
Purity	>90% by SDS-PAGE
Applications	Antigen for antibody production ELISA WB
Storage	Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.292 mg/ml
Storage Buffer	Solution in 50mM Tris, 300mM NaCl, pH8.0, 0.1% SKL
GENE INFORMATION	
Gene Name	TEAD1
Official Symbol	TEAD1
Synonyms	AA; Atrophia areata peripapillary chorioretinal degeneration; NTEF 1; NTEF-1; NTEF1; REF1; SV40 transcriptional enhancer factor; TCF 13; TCF-13; TCF13; TEA domain family member

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Gene ID	7003
mRNA Refseq	NM_021961.6
Protein Refseq	NP_068780.2
UniProt ID	P28347
SDS-PAGE	
WB	