

Recombinant Human transforming growth factor, beta receptor associated protein 1, His-tagged

Cat. No. TGFBRAP1-491H Lot. No. (See product label)

SPECIFICATION

Product Overview	TGFBRAP1, 601-860aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	601-860 a.a.
Description	TGFBRAP1 plays a role in the TGF-beta/activin signaling pathway. It associates with inactive heteromeric TGF-beta and activin receptor complexes, mainly through the type II receptor, and is released upon activation of signaling. It may recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2. Recombinant human TGFBRAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	33 kDa (269aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSKRLQ KEEYHTHLAV LYLEEVLLQR ASASGKGAEA TETQAKLRRL LQKSDLYRVH FLLERLQGAG LPMESAILHG KLGEHEKALH ILVHELQDFA AAEDYCLWCS EGRDPPHRQQ LFHTLLAIYL HAGPTAHELA VAAVDLLNRH ATEFDAAQVL QMLPDTWSVQ LLCPFLMGAM RDSIHARRTM QVALGLARSE NLIYTYDKMK LKGSSIQLSD

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KKLCQICQNP FCEPVFVRYYP NGGLVHTHCA ASRHTNPSSS SPGTRT

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [TGFBRAP1 transforming growth factor, beta receptor associated protein 1 \[Homo sapiens \]](#)

Official Symbol [TGFBRAP1](#)

Synonyms [TRAP1; TRAP-1](#)

Gene ID [9392](#)

mRNA Refseq [NM_004257.4](#)

Protein Refseq [NP_004248.2](#)

MIM [606237](#)

UniProt ID [Q8WUH2](#)

Chromosome Location 2q12.1

Function SMAD binding;protein binding;small GTPase regulator activity;transforming growth

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factor beta receptor binding;

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