

Recombinant human TGFBRAP1 protein

Catalog Number: ATGP2588

PRODUCT INFORMATION

Expression system

E.coli

Domain

601-860aa

UniProt No.

Q8WUH2

NCBI Accession No.

NP_004248

Alternative Names

Transforming growth factor beta receptor associated protein 1, Transforming growth factor, beta receptor associated protein 1, TRAP-1, TRAP1

PRODUCT SPECIFICATION

Molecular Weight

33 kDa (296aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

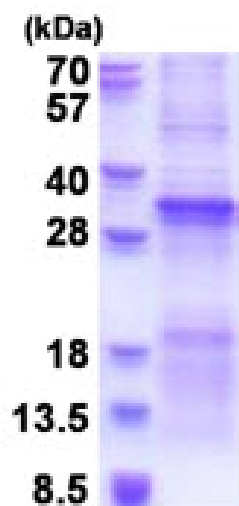
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSKRLQ KEEYHTHLAV LYLEEVLLQR ASASGKGAEA
TETQAKLRR LQKSDLYRVH FLLERLQGAG LPMESAILHG KLGEHEKALH ILVHELQDFA AAEDYCLWCS EGRDPPHRQQ
LFHTLLAIYL HAGPTAHELA VAAVDLLNRH ATEFDAAQVL QMLPDTWSVQ LLCPFLMGAM RDSIHARRTM QVALGLARSE
NLIITYDKMK LKGSSIQLS DKKLCQICQNP FCEPVFVRY P NGGLVHTHCA ASRHTNPSSS SPGTRT

General References

Felts SJ, Owen BA, et al. (2000). J Biol Chem. 275(5):3305-12.
Simmons AD, Musy MM, et al. (1999). Hum Mol Genet. 8(12):2155-64.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)