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Datasheet for ABIN7555720

**TGFBRAP1 Protein (AA 1-860) (His tag)**

## Overview

Quantity:	1 mg
Target:	TGFBRAP1
Protein Characteristics:	AA 1-860
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBRAP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TGFBRAP1 Protein expressed in mammalien cells.
Sequence:	MMSIKAFTLV SAVERELLMG DKERVNIECV ECCGRDLYVG TNDCFVYHFL LEERPVPAGP ATFTATKQLQ RHLGFKKPVN ELRAASALNR LLVLCDNSIS LVNMLNLEPV PSGARIKGAA TFALNENPVS GDPFCVEVCI ISVKRRTIQM FLVYEDRVQI VKEVSTAEQP LAVAVDGHFL CLALTTQYII HNYSTGVSQD LFPYCSEERP PIVKRIGRQE FLLAGPGGLG MFATVAGISQ RAPVHWSENV IGAAVSFPYV IALDDEFITV HSMLDQQQKQ TLPFKEGHIL QDFEGRVIVA TSKGVYILVP LPLEKQIQDL LASRRVEEAL VLAKGARRNI PKEKFQVMYR RILQQAGFIQ FAQLQFLEAK ELFRSGQLDV RELISLYPFL LPTSSSFTRS HPPLHEYADL NQLTQGDQEK MAKCKRFLMS YLNEVRSTEV ANGYKEDIDT ALLKLYAEAD HDSLLDLLVT ENFCLLTDSA AWLEKHKKYF ALGLLYHYNN QDAAAVQLWV NIVNGDVQDS TRSDLYEYIV DFLTYCLDEE LVWAYADWVL QKSEEVGVQV FTKRPLDEQQ KNSFNPDDII NCLKKYPKAL VKYLEHLVID KRLQKEEYHT HLAVLYLEEV LLQRASASGK GAEATETQAK LRRLQKSDL YRVHFLLERL

## Product Details

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QGAGLPMESA ILHGKLGEGE KALHILVHEL QDFAAAEDYC LWCSEGRDPP HRQQLFHTLL  
AIYLHAGPTA HELAVAAVDL LNRHATEFDA AQLVQMLPDT WSVQLLCPFL MGAMRDSIHA  
RRTMQVALGL ARSENLIYTY DKMKLKGSSI QLSDKKLCQI CQNPFCPEPVF VRYPNGGLVH  
THCAASRHTN PSSSSPGTRT **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TGFBRAP1

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### Alternative Name:

TGFBRAP1 ([TGFBRAP1 Products](#))

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### Background:

Transforming growth factor-beta receptor-associated protein 1 (TGF-beta receptor-associated protein 1) (TRAP-1) (TRAP1),FUNCTION: 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. May recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2. {ECO:0000269|PubMed:11278302, ECO:0000269|PubMed:9545258},, FUNCTION: Plays a role in vesicle-mediated protein trafficking of the endocytic membrane

## Target Details

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transport pathway. Believed to act as a component of the putative CORVET endosomal tethering complexes which is proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations (PubMed:25266290). Functions predominantly in APPL1-containing endosomes and in degradative but not recycling trafficking of endocytosed cargo (PubMed:25266290). {ECO:0000269|PubMed:25266290, ECO:0000305|PubMed:25266290}.

Molecular Weight: 97.2 kDa

UniProt: [Q8WUH2](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months