

Datasheet for ABIN7558470
TRIM50 Protein (AA 1-483) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM50
Protein Characteristics:	AA 1-483
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM50 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trim50 Protein expressed in mammalian cells.
Sequence:	<p>MAWRLTVPEL QDQLQCPICL EVFKEPLMLQ CGHSYCKDCL DNLSQHLDSE LCCPVCRQSV DCSSSPNVS LARVIDALRL PGDIEPTVCV HHRNPLSLFC EKDQEFICGL CGLLGSHQHH RVTPVSTVYS RMKEELAGRI SELKEEHRNV EEHIGKLVNN RTRIINESDV FSWVIRREFQ ELHHLVDEEK ARCLEGLEGH TRGLVASLDM QLEQAQGTQE RLAQAEQVLE QFGNESHHEF IRFHSVASRA EVQQARPLEG VFSPISFKPA LHQADIKLTV WKRLFRKVLP APASLKLDPA TAHPLLELSK GNTVVHCGLL AQRASQPER FDYSTCVLAS KGFSWGRHYW EVVVGSKSDW RLGVIKGTAS RKGKLNKSPE HGWWLIGLKE GRVYEAFGCP RLPLPVAGHP HRIGVYLHYE QGELTFFDAD RPDDLRTLYT FQADFQGKLY PILDTCWHER GSNSLPMVLP PPSGPGHFTL GQV</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

TRIM50

Alternative Name:

Trim50 ([TRIM50 Products](#))

Background:

E3 ubiquitin-protein ligase TRIM50 (EC 2.3.2.27) (RING-type E3 ubiquitin transferase TRIM50) (Tripartite motif-containing protein 50),FUNCTION: E3 ubiquitin-protein ligase that ubiquitinates Beclin-1/BECN1 in a 'Lys-63'-dependent manner enhancing its binding to ULK1 (PubMed:29604308). In turn, promotes starvation-induced autophagy activation. Interacts also with p62/SQSTM1 protein and thereby induces the formation and the autophagy clearance of aggresome-associated polyubiquitinated proteins through HDAC6 interaction (PubMed:22792322). Promotes also NLRP3 inflammasome activation by directly inducing NLRP3 oligomerization independent of its E3 ligase function (PubMed:36178239). {ECO:0000269|PubMed:22792322, ECO:0000269|PubMed:29604308, ECO:0000269|PubMed:36178239}.

Molecular Weight:

54.6 kDa

Target Details

UniProt: [Q810I2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

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