Datasheet for ABIN7559335

TRIM32 Protein (AA 1-655) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TRIM32
Protein Characteristics:	AA 1-655
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM32 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trim32 Protein expressed in mammalien cells.
Sequence:	MAAAAAASHL NLDALREVLE CPICMESFTE EQLRPKLLHC GHTICRQCLE KLLASSINGV RCPFCSKITR ITSLTQLTDN LTVLKIIDTA GLSEAVGLLM CRGCGRRLPR QFCRSCGVVL CEPCREADHQ PPGHCTLPVK EAAEERRRDF GEKLTRLREL TGELQRRKAA LEGVSRDLQA RYKAVLQEYG HEERRIQEEL ARSRKFFTGS LAEVEKSNSQ VVEEQSYLLN IAEVQAVSRC DYFLAKIKQA DVALLEETAD EEEPELTASL PRELTLQDVE LLKVGHVGPL QIGQAVKKPR TVNMEDSWAG EEGAASSASA SVTFREMDMS PEEVAPSPRA SPAKQRSSEA ASGIQQCLFL KKMGAKGSTP GMFNLPVSLY VTSQSEVLVA DRGNYRIQVF NRKGFLKEIR RSPSGIDSFV LSFLGADLPN LTPLSVAMNC HGLIGVTDSY DNSLKVYTMD GHCVACHRSQ LSKPWGITAL PSGQFVVTDV EGGKLWCFTV DRGAGVVKYS CLCSAVRPKF VTCDAEGTVY FTQGLGLNVE NRQNEHHLEG GFSIGSVGPD GQLGRQISHF FSENEDFRCI AGMCVDARGD LIVADSSRKE ILHFPKGGGY SVLIREGLTC PVGIALTPKG QLLVLDCWDH CVKIYSYHLR RYSTP **Sequence**

Product Details

	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.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	TRIM32
Alternative Name:	Trim32 (TRIM32 Products)
Background:	E3 ubiquitin-protein ligase TRIM32 (EC 2.3.2.27) (RING-type E3 ubiquitin transferase TRIM32) (Tripartite motif-containing protein 32),FUNCTION: E3 ubiquitin ligase that plays a role in various biological processes including neural stem cell differentiation, innate immunity, inflammatory resonse and autophagy (PubMed:14578165, PubMed:37415157). Plays a role in virus-triggered induction of IFN-beta and TNF-alpha by mediating the ubiquitination of STING1. Mechanistically, targets STING1 for 'Lys-63'-linked ubiquitination which promotes the interaction of STING1 with TBK1. Regulates bacterial clearance and promotes autophagy in Mycobacterium tuberculosis-infected macrophages (By similarity). Negatively regulates TLR3/4-mediated innate immune and inflammatory response by triggering the autophagic degradation of TICAM1 in an E3 activity-independent manner (PubMed:28898289). Plays an

Target Details

	essential role in oxidative stress induced cell death by inducing loss of transmembrane potential and enhancing mitochondrial reactive oxygen species (ROS) production during oxidative stress conditions. Ubiquitinates XIAP and targets it for proteasomal degradation. Ubiquitinates DTNBP1 (dysbindin) and promotes its degradation. May ubiquitinate BBS2 (By similarity). Ubiquitinates PIAS4/PIASY and promotes its degradation in keratinocytes treated with UVB and TNF-alpha (By similarity). Also acts as a regulator of autophagy by mediating formation of unanchored 'Lys-63'-linked polyubiquitin chains that activate ULK1: interaction with AMBRA1 is required for ULK1 activation. Positively regulates dendritic branching by promoting ubiquitination and subsequent degradation of the epigenetic factor CDYL (By similarity). {ECO:0000250|UniProtKB:Q13049, ECO:0000269|PubMed:14578165, ECO:0000269|PubMed:16816390, ECO:0000269|PubMed:28898289, ECO:0000269|PubMed:37415157}.
Molecular Weight:	72.1 kDa
UniProt:	Q8CH72
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

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

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