Datasheet for ABIN7555820

TRIM27 Protein (AA 1-513) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TRIM27
Protein Characteristics:	AA 1-513
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM27 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TRIM27 Protein expressed in mammalien cells.
Sequence:	MASGSVAECL QQETTCPVCL QYFAEPMMLD CGHNICCACL ARCWGTAETN VSCPQCRETF PQRHMRPNRH LANVTQLVKQ LRTERPSGPG GEMGVCEKHR EPLKLYCEED QMPICVVCDR SREHRGHSVL PLEEAVEGFK EQIQNQLDHL KRVKDLKKRR RAQGEQARAE LLSLTQMERE KIVWEFEQLY HSLKEHEYRL LARLEELDLA IYNSINGAIT QFSCNISHLS SLIAQLEEKQ QQPTRELLQD IGDTLSRAER IRIPEPWITP PDLQEKIHIF AQKCLFLTES LKQFTEKMQS DMEKIQELRE AQLYSVDVTL DPDTAYPSLI LSDNLRQVRY SYLQQDLPDN PERFNLFPCV LGSPCFIAGR HYWEVEVGDK AKWTIGVCED SVCRKGGVTS APQNGFWAVS LWYGKEYWAL TSPMTALPLR TPLQRVGIFL DYDAGEVSFY NVTERCHTFT FSHATFCGPV RPYFSLSYSG GKSAAPLIIC PMSGIDGFSG HVGNHGHSME TSP **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**

Product Details

	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:	TRIM27
Alternative Name:	TRIM27 (TRIM27 Products)
Background:	Zinc finger protein RFP (EC 2.3.2.27) (RING finger protein 76) (Ret finger protein) (Tripartite motif-containing protein 27),FUNCTION: E3 ubiquitin-protein ligase that mediates ubiquitination of various substrates and thereby plays a role in diffent processes including proliferation, innate immunity, apoptosis, immune response or autophagy (PubMed:22829933, PubMed:24144979, PubMed:29688809, PubMed:36111389). Ubiquitinates PIK3C2B and inhibits its activity by mediating the formation of 'Lys-48'-linked polyubiquitin chains, the function inhibits CD4 T-cell activation. Acts as a regulator of retrograde transport: together with MAGEL2, mediates the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1, leading to promote endosomal F-actin assembly (PubMed:23452853). Has a transcriptional repressor activity by cooperating with EPC1. Induces apoptosis by activating Jun N-terminal kinase and p38 kinase and also increases caspase-3-like activity independently of mitochondrial events. May function in male germ cell development. Has DNA-binding activity and preferentially bound to double-

Target Details

	stranded DNA. Forms a complex with and ubiquitinates the ubiquitin-specific protease USP7, which in turn deubiquitinates RIPK1 resulting in the positive regulation of TNF-alpha-induced apoptosis (PubMed:24144979). In addition, acts with USP7 or PTPN11 as an inhibitor of the antiviral signaling pathway by promoting kinase TBK1 ubiquitination and degradation (PubMed:26358190, PubMed:29688809). Acts as a negative regulator of NOD2 signaling by mediating ubiquitination of NOD2, promoting its degradation by the proteasome (PubMed:22829933). Alternatively, facilitates mitophagy via stabilization of active TBK1 (PubMed:36111389). Negatively regulates autophagy flux under basal conditions by directly polyubiquitinating ULK1 (PubMed:35670107). During starvation-induced autophagy, catalyzes non-degradative ubiquitination of the kinase STK38L promoting its activation and phosphorylation of ULK1 leading to its ubiquitination and degradation to restrain the amplitude and duration of autophagy (PubMed:35670107). {ECO:0000269|PubMed:10976108, ECO:0000269|PubMed:12807881, ECO:0000269|PubMed:22128329, ECO:0000269|PubMed:22829933, ECO:0000269|PubMed:23452853, ECO:0000269|PubMed:24144979, ECO:0000269|PubMed:26358190, ECO:0000269|PubMed:29688809, ECO:0000269|PubMed:35670107, ECO:0000269|PubMed:36111389}., FUNCTION: (Microbial infection) Positively regulates hepatitis C virus replication by suppressing type I IFN response during infection. {ECO:0000269|PubMed:29688809}.
Molecular Weight:	58.5 kDa
UniProt:	P14373

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

Handling

Storage Comment:	Store at -80°C.
Expiry Date:	12 months