Datasheet for ABIN7554588

MIB1 Protein (AA 1-1006) (His tag)

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Overview

Quantity:	1 mg
Target:	MIB1
Protein Characteristics:	AA 1-1006
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MIB1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MIB1 Protein expressed in mammalian cells.
Sequence:	MSNSRNNRVM VEGVGARVVR GPDWKWGKQD GGEGHVGTVR SFESPEEVVV VWDNGTAANY RCSGAYDLRI LDSAPTGIKH DGTMCDTCRQ QPIIGIRWKC AECTNYDLCT VCYHGDKHHL RHRFYRITTP GSERVLLESR RKSKKITARG IFAGARVVRG VDWQWEDQDG GNGRRGKVTE IQDWSASSPH SAAYVLWDNG AKNLYRVGFE GMSDLKCVQD AKGGSFYRDH CPVLGEQNGN RNPGGLQIGD LVNIDLDLEI VQSLQHGHGG WTDGMFETLT TTGTVCGIDE DHDIVVQYPS GNRWTFNPAV LTKANIVRSG DAAQGAEGGT SQFQVGDLVQ VCYDLERIKL LQRGHGEWAE AMLPTLGKVG RVQQIYSDSD LKVEVCGTSW TYNPAAVSKV ASAGSAISNA SGERLSQLLK KLFETQESGD LNEELVKAAA NGDVAKVEDL LKRPDVDVNG QCAGHTAMQA ASQNGHVDIL KLLLKQNVDV EAEDKDGDRA VHHAAFGDEG AVIEVLHRGS ADLNARNKRR QTPLHIAVNK GHLQVVKTLL DFGCHPSLQD SEGDTPLHDA ISKKRDDILA VLLEAGADVT ITNNNGFNAL HHAALRGNPS AMRVLLSKLP RPWIVDEKKD DGYTALHLAA LNNHVEVAEL LVHQGNANLD IQNVNQQTAL HLAVERQHTQ IVRLLVRAGA KLDIQDKDGD TPLHEALRHH TLSQLRQLQD

Product Details

	MQDVGKVDAA WEPSKNTLIM GLGTQGAEKK SAASIACFLA ANGADLSIRN KKGQSPLDLC PDPNLCKALA KCHKEKVSGQ VGSRSPSMIS NDSETLEECM VCSDMKRDTL FGPCGHIATC SLCSPRVKKC LICKEQVQSR TKIEECVVCS DKKAAVLFQP CGHMCACENC ANLMKKCVQC RAVVERRVPF IMCCGGKSSE DATDDISSGN IPVLQKDKDN TNVNADVQKL QQQLQDIKEQ TMCPVCLDRL KNMIFLCGHG TCQLCGDRMS ECPICRKAIE RRILLY **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different 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:	MIB1
Alternative Name:	MIB1 (MIB1 Products)
Background:	E3 ubiquitin-protein ligase MIB1 (EC 2.3.2.27) (DAPK-interacting protein 1) (DIP-1) (Mind bomb homolog 1) (RING-type E3 ubiquitin transferase MIB1) (Zinc finger ZZ type with ankyrin repeat domain protein 2),FUNCTION: E3 ubiquitin-protein ligase that mediates ubiquitination of Delta

Target Details

	receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular domain of Delta, leading to endocytosis of Delta receptors. Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis (By similarity). Involved in ubiquitination of centriolar satellite CEP131, CEP290 and PCM1 proteins and hence inhibits primary cilium formation in proliferating cells. Mediates 'Lys-63'-linked polyubiquitination of TBK1, which probably participates in kinase activation. {ECO:0000250, ECO:0000269|PubMed:24121310}., FUNCTION: (Microbial infection) During adenovirus infection, mediates ubiquitination of Core-capsid bridging protein. This allows viral genome delivery into nucleus for infection. {ECO:0000269|PubMed:31851912}.
Molecular Weight:	110.1 kDa
UniProt:	Q86YT6
Pathways:	SARS-CoV-2 Protein Interactome, The Global Phosphorylation Landscape of SARS-CoV-2 Infection

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