

Datasheet for ABIN7564225
MIB1 Protein (AA 1-1006) (His tag)



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Overview

Quantity:	1 mg
Target:	MIB1
Protein Characteristics:	AA 1-1006
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MIB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mib1 Protein expressed in mammalien cells.
Sequence:	<p>MSNSRNNRVM VEGVGARVVR GPDWKWKGKD GGEGHVGTVR SFESPEEVVV VWDNGTAANY</p> <p>RCSGAYDLRI LDSAPTGIKH DGTMCDCRQ QPIIGIRWKC AECTNYDLCT VCYHGDKHHL</p> <p>RHRFYRITTP GSERVLLSR RSKKITARG IFAGARVVRG VDWQWEDQDG GNGRRGKVTE</p> <p>IQDWSASSPH SAAYVLWDNG AKNLYRVGFE GMSDLKCVQD AKGGSFYRDH CPVLGEQNGN</p> <p>RNPGGLQIGD LVNIDLDLEI VQSLQHHGG WTDGMFETLT TTGTVCIDE DHDIVVQYPS</p> <p>GNRWTFNPAV LTKANIVRSG DAAQGAEGGT SQFQVGDVQ VCYDLERIKL LQRGHGEWAE</p> <p>AMLPTLGKVG RVQQIYSDSD LKVEVCGTSW TYNPAAVSKV APAGSAISNA SGERLSQLLK</p> <p>KLFETQESGD LNEELVKAAA NGDVAKVEDL LKRPDQVNG QCAGHTAMQA ASQNGHVDIL</p> <p>KLLLKQNVDV EAEDKGDRA VHHAAFGDEG AVIEVLHRGS ADLNARNKRR QTPHIAVKN</p> <p>GHLQVVKTL DFGCHPSLQD SEGDTPLHDA ISKKRDDILA VLEAGADVT ITNNNGFNAL</p> <p>HHAALRGNPS AMRVLLSKLP RPWIVDEKDD DGYTALHLAA LNNHVEVAEL LVHQGNANLD</p>

IQNVNQQTAL HLAVERQHTQ IVRLLVRAGA KLDIQDKDGD TPLHEALRHH TLSQLRQLQD
MQDVGKVDAA WEPSKNTLIM GLGTQGAEEK SAASIAACFLA ANGADLSIRN KKGQSPLDLC
PDPSLCKALA KCHKEKVSGQ VGSRSPTMIS NDSETLEECM VCSDMKRDTL FGPCGHIATC
SLCSPRVKKC LICKEQVQSR TKIEECVVCS DKKA AVLFP CGHMCACENC ASLMKKCVQC
RAVVERRVPF ITCCGGKSSE DPSDEISSGN IPVQLQDKDN 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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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),FUNCTION: E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular

Target Details

domain of Delta, leading to endocytosis of Delta receptors. 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 (By similarity). Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis. {ECO:0000250, ECO:0000269|PubMed:12351649}.

Molecular Weight: 110.1 kDa

UniProt: [Q80SY4](#)

Pathways: [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

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