Datasheet for ABIN7555725

TAX1BP1 Protein (AA 1-789) (His tag)

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Overview

Quantity:	1 mg
Target:	TAX1BP1
Protein Characteristics:	AA 1-789
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAX1BP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TAX1BP1 Protein expressed in mammalian cells.
Sequence:	MTSFQEVPLQ TSNFAHVIFQ NVAKSYLPNA HLECHYTLTP YIHPHPKDWV GIFKVGWSTA RDYYTFLWSP MPEHYVEGST VNCVLAFQGY YLPNDDGEFY QFCYVTHKGE IRGASTPFQF RASSPVEELL TMEDEGNSDM LVVTTKAGLL ELKIEKTMKE KEELLKLIAV LEKETAQLRE QVGRMERELN HEKERCDQLQ AEQKGLTEVT QSLKMENEEF KKRFSDATSK AHQLEEDIVS VTHKAIEKET ELDSLKDKLK KAQHEREQLE CQLKTEKDEK ELYKVHLKNT EIENTKLMSE VQTLKNLDGN KESVITHFKE EIGRLQLCLA EKENLQRTFL LTTSSKEDTC FLKEQLRKAE EQVQATRQEV VFLAKELSDA VNVRDRTMAD LHTARLENEK VKKQLADAVA ELKLNAMKKD QDKTDTLEHE LRREVEDLKL RLQMAADHYK EKFKECQRLQ KQINKLSDQS ANNNNVFTKK TGNQQKVNDA SVNTDPATSA STVDVKPSPS AAEADFDIVT KGQVCEMTKE IADKTEKYNK CKQLLQDEKA KCNKYADELA KMELKWKEQV KIAENVKLEL AEVQDNYKEL KRSLENPAER KMEGQNSQSP QCFKTCSEQN GYVLTLSNAQ PVLQYGNPYA SQETRDGADG AFYPDEIQRP PVRVPSWGLE DNVVCSQPAR NFSRPDGLED SEDSKEDENV PTAPDPPSQH LRGHGTGFCF

Product Details

	DSSFDVHKKC PLCELMFPPN YDQSKFEEHV ESHWKVCPMC SEQFPPDYDQ QVFERHVQTH FDQNVLNFD **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:	TAX1BP1
Alternative Name:	TAX1BP1 (TAX1BP1 Products)
Background:	Tax1-binding protein 1 (TRAF6-binding protein),FUNCTION: Ubiquitin-binding adapter that participates in inflammatory, antiviral and innate immune processes as well as selective autophagy regulation (PubMed:30459273, PubMed:29940186, PubMed:30909570). Plays a key role in the negative regulation of NF-kappa-B and IRF3 signalings by acting as an adapter for the ubiquitin-editing enzyme A20/TNFAIP3 to bind and inactivate its substrates (PubMed:17703191). Disrupts the interactions between the E3 ubiquitin ligase TRAF3 and TBK1/IKBKE to attenuate 'Lys63'-linked polyubiquitination of TBK1 and thereby IFN-beta

Target Details

	production (PubMed:21885437). Recruits also A20/TNFAIP3 to ubiquitinated signaling proteins TRAF6 and RIPK1, leading to their deubiquitination and disruption of IL-1 and TNF-induced NF-kappa-B signaling pathways (PubMed:17703191). Inhibits virus-induced apoptosis by inducing the 'Lys-48'-linked polyubiquitination and degradation of MAVS via recruitment of the E3 ligase ITCH, thereby attenuating MAVS-mediated apoptosis signaling (PubMed:27736772). As a macroautophagy/autophagy receptor, facilitates the xenophagic clearance of pathogenic bacteria such as Salmonella typhimurium and Mycobacterium tuberculosis (PubMed:26451915). Upon NBR1 recruitment to the SQSTM1-ubiquitin condensates, acts as the major recruiter of RB1CC1 to these ubiquitin condensates to promote their autophagic degradation (PubMed:33226137, PubMed:34471133). Mediates the autophagic degradation of other substrates including TICAM1 (PubMed:28898289). {ECO:0000269|PubMed:10435631, ECO:0000269|PubMed:10920205, ECO:0000269|PubMed:17703191, ECO:0000269|PubMed:21885437, ECO:0000269|PubMed:26451915, ECO:0000269|PubMed:27736772, ECO:0000269|PubMed:28898289, ECO:0000269|PubMed:29940186, ECO:0000269|PubMed:30459273, ECO:0000269|PubMed:30909570, ECO:0000269|PubMed:33226137, ECO:0000269|PubMed:34471133}.
Molecular Weight:	90.9 kDa
UniProt:	Q86VP1
Pathways:	TLR Signaling

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.

Handling

Expiry Date:	12 months