Datasheet for ABIN7555823

TNIP1 Protein (AA 1-636) (His tag)

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Overview

Quantity:	1 mg
Target:	TNIP1
Protein Characteristics:	AA 1-636
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNIP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TNIP1 Protein expressed in mammalian cells.
Sequence:	MEGRGPYRIY DPGGSVPSGE ASAAFERLVK ENSRLKEKMQ GIKMLGELLE ESQMEATRLR QKAEELVKDN ELLPPPSPSL GSFDPLAELT GKDSNVTASP TAPACPSDKP APVQKPPSSG TSSEFEVVTP EEQNSPESSS HANAMALGPL PREDGNLMLH LQRLETTLSV CAEEPDHGQL FTHLGRMALE FNRLASKVHK NEQRTSILQT LCEQLRKENE ALKAKLDKGL EQRDQAAERL REENLELKKL LMSNGNKEGA SGRPGSPKME GTGKKAVAGQ QQASVTAGKV PEVVALGAAE KKVKMLEQQR SELLEVNKQW DQHFRSMKQQ YEQKITELRQ KLADLQKQVT DLEAEREQKQ RDFDRKLLLA KSKIEMEETD KEQLTAEAKE LRQKVKYLQD QLSPLTRQRE YQEKEIQRLN KALEEALSIQ TPPSSPPTAF GSPEGAGALL RKQELVTQNE LLKQQVKIFE EDFQRERSDR ERMNEEKEEL KKQVEKLQAQ VTLSNAQLKA FKDEEKAREA LRQQKRKAKA SGERYHVEPH PEHLCGAYPY AYPPMPAMVP HHGFEDWSQI RYPPPPMAME HPPPLPNSRL FHLPEYTWRL PCGGVRNPNQ SSQVMDPPTA RPTEPESPKN DREGPQ **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity**

Product Details

	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:	TNIP1
Alternative Name:	TNIP1 (TNIP1 Products)
Background:	TNFAIP3-interacting protein 1 (A20-binding inhibitor of NF-kappa-B activation 1) (ABIN-1) (HIV-1 Nef-interacting protein) (Nef-associated factor 1) (Naf1) (Nip40-1) (Virion-associated nuclear shuttling protein) (VAN) (hVAN),FUNCTION: Inhibits NF-kappa-B activation and TNF-induced NF-kappa-B-dependent gene expression by regulating TAX1BP1 and A20/TNFAIP3-mediated deubiquitination of IKBKG, proposed to link A20/TNFAIP3 to ubiquitinated IKBKG (PubMed:21885437). Involved in regulation of EGF-induced ERK1/ERK2 signaling pathway, blocks MAPK3/MAPK1 nuclear translocation and MAPK1-dependent transcription. Increases cell surface CD4(T4) antigen expression. Involved in the anti-inflammatory response of macrophages and positively regulates TLR-induced activation of CEBPB. Involved in the

Target Details

	prevention of autoimmunity, this function implicates binding to polyubiquitin. Involved in leukocyte integrin activation during inflammation, this function is mediated by association with SELPLG and dependent on phosphorylation by SRC-family kinases. Interacts with HIV-1 matrix protein and is packaged into virions and overexpression can inhibit viral replication. May regulate matrix nuclear localization, both nuclear import of PIC (Preintegration complex) and export of GAG polyprotein and viral genomic RNA during virion production. In case of infection, promotes association of IKBKG with Shigella flexneri E3 ubiquitin-protein ligase ipah9.8 p which in turn promotes polyubiquitination of IKBKG leading to its proteasome-dependent degradation and thus is perturbing NF-kappa-B activation during bacterial infection. {ECO:0000269|PubMed:12220502, ECO:0000269|PubMed:16684768, ECO:0000269|PubMed:17016622, ECO:0000269|PubMed:17632516, ECO:0000269|PubMed:20010814, ECO:0000269|PubMed:21885437}.
Molecular Weight:	71.9 kDa
UniProt:	Q15025
Pathways:	Activation of Innate immune Response

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