Datasheet for ABIN7555836

TRAF6 Protein (AA 1-522) (His tag)

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Overview

Quantity:	1 mg
Target:	TRAF6
Protein Characteristics:	AA 1-522
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TRAF6 Protein expressed in mammalien cells.
Sequence:	MSLLNCENSC GSSQSESDCC VAMASSCSAV TKDDSVGGTA STGNLSSSFM EEIQGYDVEF DPPLESKYEC PICLMALREA VQTPCGHRFC KACIIKSIRD AGHKCPVDNE ILLENQLFPD NFAKREILSL MVKCPNEGCL HKMELRHLED HQAHCEFALM DCPQCQRPFQ KFHINIHILK DCPRRQVSCD NCAASMAFED KEIHDQNCPL ANVICEYCNT ILIREQMPNH YDLDCPTAPI PCTFSTFGCH EKMQRNHLAR HLQENTQSHM RMLAQAVHSL SVIPDSGYIS EVRNFQETIH QLEGRLVRQD HQIRELTAKM ETQSMYVSEL KRTIRTLEDK VAEIEAQQCN GIYIWKIGNF GMHLKCQEEE KPVVIHSPGF YTGKPGYKLC MRLHLQLPTA QRCANYISLF VHTMQGEYDS HLPWPFQGTI RLTILDQSEA PVRQNHEEIM DAKPELLAFQ RPTIPRNPKG FGYVTFMHLE ALRQRTFIKD DTLLVRCEVS TRFDMGSLRR EGFQPRSTDA GV **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**

Product Details

	request, please 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:	TRAF6
Alternative Name:	TRAF6 (TRAF6 Products)
Background:	TNF receptor-associated factor 6 (EC 2.3.2.27) (E3 ubiquitin-protein ligase TRAF6) (Interleukin-1 signal transducer) (RING finger protein 85) (RING-type E3 ubiquitin transferase TRAF6),FUNCTION: E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as ECSIT, IKBKG, IRAK1, AKT1 and AKT2 (PubMed:31620128, PubMed:11057907, PubMed:18347055, PubMed:19713527, PubMed:19465916). Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation (PubMed:19675569). Leads to the activation of NF-kappa-B and JUN (PubMed:16378096, PubMed:17135271, PubMed:17703191). Seems to also play a role in dendritic cells (DCs) maturation and/or activation (By similarity). Represses c-Myb-mediated transactivation, in B-lymphocytes (PubMed:18093978, PubMed:18758450). Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor (PubMed:8837778,

Target Details

	PubMed:19825828, PubMed:12140561). Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation (By similarity). Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production (By similarity). Participates also in the TCR signaling by ubiquitinating LAT (PubMed:25907557, PubMed:23514740). {ECO:0000250|UniProtKB:P70196, ECO:0000269|PubMed:11057907, ECO:0000269|PubMed:12140561, ECO:0000269|PubMed:16378096, ECO:0000269|PubMed:17135271, ECO:0000269|PubMed:17703191, ECO:0000269|PubMed:18093978, ECO:0000269|PubMed:18347055, ECO:0000269|PubMed:18758450, ECO:0000269|PubMed:19465916, ECO:0000269|PubMed:19675569, ECO:0000269|PubMed:19713527, ECO:0000269|PubMed:19825828, ECO:0000269|PubMed:23514740, ECO:0000269|PubMed:25907557, ECO:0000269|PubMed:31620128, ECO:0000269|PubMed:8837778}.
Molecular Weight:	59.6 kDa
UniProt:	Q9Y4K3
Pathways:	NF-kappaB Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Tube Formation, Hepatitis C, Toll-Like Receptors Cascades, Ubiquitin Proteasome Pathway

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.

Handling

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