Datasheet for ABIN3135304

TRAF3 Protein (AA 1-567) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	TRAF3
Protein Characteristics:	AA 1-567
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF3 protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS), Crystallization (Crys)

Product Details

Sequence:	MESSKKMDAA GTLQPNPPLK LQPDRGAGSV LVPEQGGYKE KFVKTVEDKY KCEKCRLVLC NPKQTECGHR FCESCMAALL SSSSPKCTAC QESIIKDKVF KDNCCKREIL ALQVYCRNEG RGCAEQLTLG HLLVHLKNEC QFEELPCLRA DCKEKVLRKD LRDHVEKACK YREATCSHCK SQVPMIKLQK HEDTDCPCVV VSCPHKCSVQ TLLRSELSAH LSECVNAPST CSFKRYGCVF QGTNQQIKAH EASSAVQHVN LLKEWSNSLE KKVSLLQNES VEKNKSIQSL HNQICSFEIE IERQKEMLRN NESKILHLQR VIDSQAEKLK ELDKEIRPFR QNWEEADSMK SSVESLQNRV TELESVDKSA GQAARNTGLL ESQLSRHDQM LSVHDIRLAD MDLRFQVLET ASYNGVLIWK IRDYKRRKQE AVMGKTLSLY SQPFYTGYFG YKMCARVYLN GDGMGKGTHL SLFFVIMRGE YDALLPWPFK QKVTLMLMDQ GSSRRHLGDA FKPDPNSSSF KKPTGEMNIA SGCPVFVAQT VLENGTYIKD DTIFIKVIVD TSDLPDP **Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

Product Details

Characteristics:	• Made in Germany - from design to production - by highly experienced protein experts. • Mouse Traf3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. • 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 will ensure that you receive a correctly folded protein. 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. In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization). When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	TRAF3
Alternative Name:	Traf3 (TRAF3 Products)
Background:	Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14. {ECO:0000269|PubMed:16306936, ECO:0000269|PubMed:16306937, ECO:0000269|PubMed:17015635, ECO:0000269|PubMed:17158868, ECO:0000269|PubMed:18313334, ECO:0000269|PubMed:18997792, ECO:0000269|PubMed:18997794, ECO:0000269|PubMed:19228877, ECO:0000269|PubMed:19898473, ECO:0000269|PubMed:8934568}.
Molecular Weight:	65.2 kDa Including tag.
UniProt:	Q60803
Pathways:	NF-kappaB Signaling, Apoptosis, TLR Signaling, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades

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 gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process