Datasheet for ABIN3077805

TRAF3IP2 Protein (AA 1-574) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TRAF3IP2
Protein Characteristics:	AA 1-574
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF3IP2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MPPQLQETRM NRSIPVEVDE SEPYPSQLLK PIPEYSPEEE SEPPAPNIRN MAPNSLSAPT MLHNSSGDFS QAHSTLKLAN HQRPVSRQVT CLRTQVLEDS EDSFCRRHPG LGKAFPSGCS AVSEPASESV VGALPAEHQF SFMEKRNQWL VSQLSAASPD TGHDSDKSDQ SLPNASADSL GGSQEMVQRP QPHRNRAGLD LPTIDTGYDS QPQDVLGIRQ LERPLPLTSV CYPQDLPRPL RSREFPQFEP QRYPACAQML PPNLSPHAPW NYHYHCPGSP DHQVPYGHDY PRAAYQQVIQ PALPGQPLPG ASVRGLHPVQ KVILNYPSPW DHEERPAQRD CSFPGLPRHQ DQPHHQPPNR AGAPGESLEC PAELRPQVPQ PPSPAAVPRP PSNPPARGTL KTSNLPEELR KVFITYSMDT AMEVVKFVNF LLVNGFQTAI DIFEDRIRGI DIIKWMERYL RDKTVMIIVA ISPKYKQDVE GAESQLDEDE HGLHTKYIHR MMQIEFIKQG SMNFRFIPVL FPNAKKEHVP TWLQNTHVYS WPKNKKNILL RLLREEEYVA PPRGPLPTLQ VVPL **Sequence without tag. The proposed Strep-Tag is based on experience s 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:	Key Benefits: • Made in Germany - from design to production - by highly experienced protein experts. • Protein expressed with ALiCE® and purified in one-step affinity chromatography • These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed). • 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. 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. Expression System: • ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. • During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein! Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	TRAF3IP2
Alternative Name:	TRAF3IP2 (TRAF3IP2 Products)
Background:	E3 ubiquitin ligase TRAF3IP2 (EC 2.3.2.27) (Adapter protein CIKS) (Connection to IKK and SAPK/JNK) (E3 ubiquitin-protein ligase CIKS) (Nuclear factor NF-kappa-B activator 1) (ACT1) (TRAF3-interacting protein 2),FUNCTION: E3 ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (PubMed:19825828). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (PubMed:19825828). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828, PubMed:24120361). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys-63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828). {ECO:0000269|PubMed:19825828, ECO:0000269|PubMed:24120361, ECO:0000269|PubMed:33723527}.
Molecular Weight:	64.7 kDa
UniProt:	O43734
Pathways:	Production of Molecular Mediator of Immune Response

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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months