Datasheet for ABIN3135062

TAX1BP1 Protein (AA 1-814) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TAX1BP1
Protein Characteristics:	AA 1-814
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAX1BP1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MTSFQEVQLQ TSNFAHVIFQ NVAKSYLPNA HLECHYTLTP YIHPHSKDWV GIFKVGWSTA RDYYTFLWSP MPEHYVEGST VNCVLAFQGY YLPNDDGEFY QFCYVTHKGE IRGASTPFQF RAASPVEELL TMEDEGNSDM LVVTTKAGLL ELKIEKTLKE KEELLKLIAV LEKETAQLRE QVGRMERELS QEKGRCEQLQ AEQKGLLEVS QSLRVENEEF MKRYSDATAK VQQLEEDIVS VTHKAIEKET DLDSLKDKLR KAQHEREQLE CQLQTEKDEK ELYKVHLKNT EIENTKLVSE IQTLKNLDGN KESMITHFKE EISKLQSCLA DKENLYRALL LTTSNKEDTL FLKEQLRKAE EQVQATRQEL IFLTKELSDA VNVRDKTMAD LHTARLENER VKKQLADTLA ELQLHAVKKD QEKTDTLEHE LRREVEDLKL RLQMAADHYR EKFKECQRLQ KQINKLSDQA ASTNSVFTKK MGSQQKVNDA SINTDPAAST SASAVDVKPA ASCAETGFDM STKDHVCEMT KEIAEKIEKY NKCKQLLQDE KTKCNKYAEE LAKMELKWKE QVKIAENVKL ELAEVEDNYK VQLAEKEKEI NGLASYLENL SREKELTKSL EDQKGRKLEG QSPQQVSRCL NTCSEQNGLL PPLSSAQPVL

	QYGNPYSAQE TRDGADGAFY PDEIQRPPVR VPSWEDNVVC SQPARNLSRP DGLEDPEDSR EDENVPIPPD PANQHLRSHG AGFCFDSSFD VHKKCPLCEL MFPPNYDQTK FEEHVESHWK VCPMCSEQFP PDYDQQGFER HVQTHFDQNV LNFD **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

Product Details

	System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	TAX1BP1
Alternative Name:	Tax1bp1 (TAX1BP1 Products)
Background:	Tax1-binding protein 1 homolog,FUNCTION: Ubiquitin-binding adapter that participates in inflammatory, antiviral and innate immune processes as well as selective autophagy regulation (PubMed:18239685, PubMed:33207181). 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. Disrupts the interactions between the E3 ubiquitin ligase TRAF3 and TBK1/IKBKE to attenuate 'Lys63'-linked polyubiquitination of TBK1 and thereby IFN-beta production (By similarity). 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:18239685). 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 (By similarity). As a macroautophagy/autophagy receptor, facilitates the xenophagic clearance of pathogenic bacteria such as Salmonella typhimurium and Mycobacterium tuberculosis. Upon NBR1 recruitment to the SQSTM1-ubiquitin condensates, acts as the major recruiter of RB1CC1 to these ubiquitin condensates to promote their autophagic degradation (By similarity). Mediates the autophagic degradation of other substrates including TICAM1 (By similarity). {ECO:0000250|UniProtKB:Q86VP1, ECO:0000269|PubMed:18239685, ECO:0000269|PubMed:33207181}.
Molecular Weight:	93.6 kDa
UniProt:	Q3UKC1
Pathways:	TLR Signaling

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

Application Details

	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