Datasheet for ABIN3137006

TRIM11 Protein (AA 1-467) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TRIM11
Protein Characteristics:	AA 1-467
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM11 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAAPDLSTNL QEEATCAICL DYFTDPVMTD CGHNFCRECI RRCWGQPEGP YACPECRELS AQRNLRPNRP LAKMAEMARR LHPPSPVPQG VCAAHREPLT TFCGDDLSLL CPICERSEHW THRVRPLQEA ADDLKGRLEK SLEHLRKQME DAMLFQAQAE ETCALWQKMV ESQRQNVLGE FERLRRLLAE EEQQLLQKLE EEELEVLPRL REGAARLGQQ STQLAALISE LESRCQLPAL GLLQDIKDAL CRVQDVKLQP PAVVPMELRT VCRVPGLVET LRRFRGDITL DPDTANPELV LSEDRRSVQR GEQRQALPDN PERFDPGPCV LGQERITSGR HYWEVEVGDQ TSWALGVCKE TANRKEKGEL SAGNGFWILV FLGSFYNSNE PAFSPLRDPP KRVGIFLDYE AGHLSFYSAT DGSLLFIFPE TLFSGTLRPL FSPLSSSPTP MTICRLIGVS GDTLGPQ **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.**

Product Details

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:	TRIM11
Alternative Name:	Trim11 (TRIM11 Products)
Background:	E3 ubiquitin-protein ligase TRIM11 (EC 2.3.2.27) (Tripartite motif-containing protein 11),FUNCTION: E3 ubiquitin-protein ligase that promotes the degradation of insoluble ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX (PubMed:18628401). Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis (PubMed:18628401). May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences (PubMed:18628401). May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway (PubMed:12670303). Mediates MED15 ubiquitination leading to proteasomal degradation (By similarity). May contribute to the innate restriction of retroviruses (PubMed:18248090). Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression (PubMed:18248090). Antiviral activity depends on a functional E3 ubiquitin-protein ligase domain (PubMed:18248090). May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle (PubMed:18248090). Acts as an inhibitor of the AIM2 inflammasome by promoting autophagy-dependent degradation of AIM2 (By similarity). Mechanistically, undergoes autoubiquitination upon DNA stimulation, promoting interaction with AIM2 and SQSTM1/p62, leading to AIM2 recruitment to autophagosomes (By similarity). {ECO:0000250|UniProtKB:Q96F44, ECO:0000269|PubMed:12670303, ECO:0000269|PubMed:18248090, ECO:0000269|PubMed:18628401}.
Molecular Weight:	52.6 kDa
UniProt:	Q99PQ2

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

Application Details

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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