Datasheet for ABIN3128168

TRIM34A Protein (AA 1-485) (Strep Tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TRIM34A
Protein Characteristics:	AA 1-485
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM34A protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MASTGLTNIQ EKTTCPVCQE LLTKALSLGC GHRVCQACLI TKKNAVINPR EKSSCPVCGT RFSLENLQAN KHLANVVERL GEVKLKPDIG TKRDLCVHHG EKLLLFCKED KKAICWVCER SQEHRGHHTF LWEEAVRECQ ENLQKALTRL RKEQEKVETL EADIKEDRLS WKCQVQTERQ RIQTGFNQLR RILDKEEQRE LKRLREEEQM ILDSLAGAEA ELAQQSQLVE ELISDLELRR EWSDTELLQD MSGILKWSQI WTLKKPKAVS KKLSMVFQAP DLSGMLQKFR ELTAVRAYWD NFTFNPENLN LNLILSEDHR QVTSVSIWPF KCCNNGILGS KCFSSGKHYW EVDVSEKKAW TLGVYTRKRT LRFDVRQRKG QPNGYHRYKP QNGYWVIGLQ HGSKYSIFED SSNCDPTVLN PFVATPLHRV GVFLDCEEGT VSFLNVTNHG SLIYKFSQCC FSQPAYPYFN PWDCPAPMTL CPLNS **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:	TRIM34A
Alternative Name:	Trim34a
Background:	E3 ubiquitin-protein ligase TRIM34A (EC 2.3.2.27) (Tripartite motif-containing protein 34A),FUNCTION: Functions as antiviral protein and contributes to the defense against retroviral infections (By similarity). Acts as a capsid-specific restriction factor with the help of TRIM5 and prevents infection from non-host-adapted retroviruses. During influenza A virus infection, promotes programmed cell death by targeting ZBP1 for 'Lys-63'-linked polyubiquitination. In turn, promotes ZBP1 recruitment of RIPK3 to mediate virus-induced programmed necrosis (By similarity). Negatively regulates the function of mitochondria by enhancing mitochondrial depolarization leading to cytochrome c release and mitochondria-dependent apoptosis. Promotes also the formation of multinucleated giant cells by means of cell fusion and phagocytosis in epithelial cells (By similarity). Plays an essential role in sustaining the integrity of the inner mucus layer in the colon by controlling the exocytosis of the major component of colonic mucus MUC2 from colonic goblet cells (PubMed:32094504). {ECO:0000250|UniProtKB:Q9BYJ4, ECO:0000269|PubMed:32094504}.
Molecular Weight:	56.0 kDa
UniProt:	Q99PP6

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