Datasheet for ABIN3074851

TRIM6 Protein (AA 1-488) (Strep Tag)

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Overview

Quantity:	1 mg
Target:	TRIM6
Protein Characteristics:	AA 1-488
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM6 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MTSPVLVDIR EEVTCPICLE LLTEPLSIDC GHSFCQACIT PNGRESVIGQ EGERSCPVCQ TSYQPGNLRP NRHLANIVRR LREVVLGPGK QLKAVLCADH GEKLQLFCQE DGKVICWLCE RSQEHRGHHT FLVEEVAQEY QEKFQESLKK LKNEEQEAEK LTAFIREKKT SWKNQMEPER CRIQTEFNQL RNILDRVEQR ELKKLEQEEK KGLRIIEEAE NDLVHQTQSL RELISDLERR CQGSTMELLQ DVSDVTERSE FWTLRKPEAL PTKLRSMFRA PDLKRMLRVC RELTDVQSYW VDVTLNPHTA NLNLVLAKNR RQVRFVGAKV SGPSCLEKHY DCSVLGSQHF SSGKHYWEVD VAKKTAWILG VCSNSLGPTF SFNHFAQNHS AYSRYQPQSG YWVIGLQHNH EYRAYEDSSP SLLLSMTVPP RRVGVFLDYE AGTVSFYNVT NHGFPIYTFS KYYFPTTLCP YFNPCNCVIP MTLRRPSS **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:	TRIM6
Alternative Name:	TRIM6 (TRIM6 Products)
Background:	Tripartite motif-containing protein 6 (EC 2.3.2.27) (RING finger protein 89) (RING-type E3 ubiquitin transferase TRIM6),FUNCTION: E3 ubiquitin ligase that plays a crucial role in the activation of the IKBKE-dependent branch of the type I interferon signaling pathway (PubMed:24882218, PubMed:31694946). In concert with the ubiquitin-conjugating E2 enzyme UBE2K, synthesizes unanchored 'Lys-48'-linked polyubiquitin chains that promote the oligomerization and autophosphorylation of IKBKE leading to stimulation of an antiviral response (PubMed:24882218). Ubiquitinates also MYC and inhibits its transcription activation activity, maintaining the pluripotency of embryonic stem cells (By similarity). Promotes the association of unanchored 'Lys-48'-polyubiquitin chains with DHX16 leading to enhanced RIGI-mediated innate antiviral immune response (PubMed:35263596). {ECO:0000250|UniProtKB:Q8BGE7, ECO:0000269|PubMed:24882218, ECO:0000269|PubMed:31694946, ECO:0000269|PubMed:35263596}., FUNCTION: (Microbial infection) Ubiquitinates ebolavirus protein VP35 leading to enhanced viral transcriptase activity. {ECO:0000269|PubMed:28679761, ECO:0000269|PubMed:35533195}.
Molecular Weight:	56.4 kDa
UniProt:	Q9C030

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!

Application Details

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