

Datasheet for ABIN3074890

TRIM39 Protein (AA 1-518) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	TRIM39
Protein Characteristics:	AA 1-518
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM39 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MAETSLLEAG ASAASTAAAL ENLQVEASCS VCLEYLKEPV IIECGHNFCK ACITRWWEDL ERDFPCPVCR KTSRYRSLRP NRQLGSMVEI AKQLQAVKRK IRDESLCPQH HEALSLFCYE DQEAVCLICA ISHTHRAHTV VPLDDATQEY KEKLQKCLEP LEQKLQEITR CKSSEEKPKG ELKRLVESRR QQILREFEEL HRRLEEEQV LLSRLEEEEQ DILQRLRENA AHLGDKRRDL AHLAAEVEGK CLQSGFEMLK DVKSTLEKNI PRKFGGSLST ICPRDHKALL GLVKEINRCE KVKTMEVTSV SIELEKNFSN FPRQYFALRK ILKQLIADVT LDPETAHPNL VLSEDRKSVK FVETRLRDLP DTPRRFTFYP CVLATEGFTS GRHYWEVEVG DKTHWAVGVC RDSVSRKGEL TPLPETGYWR VRLWNGDKYA ATTTPTPLH IKVKPKRVGI FLDYEAGTLS FYNVTDRSHI YTFTDTFTEK LWPLFYPGIR AGRKNAAPLT IRPPTDWE</p> <p>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</p>

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:	TRIM39
Alternative Name:	TRIM39 (TRIM39 Products)
Background:	<p>E3 ubiquitin-protein ligase TRIM39 (EC 2.3.2.27) (RING finger protein 23) (RING-type E3 ubiquitin transferase TRIM39) (Testis-abundant finger protein) (Tripartite motif-containing protein 39),FUNCTION: [Isoform 1]: E3 ubiquitin-protein ligase (PubMed:22529100). May facilitate apoptosis by inhibiting APC/C-Cdh1-mediated poly-ubiquitination and subsequent proteasome-mediated degradation of the pro-apoptotic protein MOAP1 (PubMed:19100260, PubMed:22529100). Regulates the G1/S transition of the cell cycle and DNA damage-induced G2 arrest by stabilizing CDKN1A/p21 (PubMed:23213251). Positively regulates CDKN1A/p21 stability by competing with DTL for CDKN1A/p21 binding, therefore disrupting DCX(DTL) E3 ubiquitin ligase complex-mediated CDKN1A/p21 ubiquitination and degradation (PubMed:23213251). {ECO:0000269 PubMed:19100260, ECO:0000269 PubMed:22529100, ECO:0000269 PubMed:23213251}., FUNCTION: [Isoform 2]: Regulates the G1/S transition of the cell cycle and DNA damage-induced G2 arrest by stabilizing CDKN1A/p21 (PubMed:23213251). Positively regulates CDKN1A/p21 stability by competing with DTL for CDKN1A/p21 binding, therefore disrupting DCX(DTL) E3 ubiquitin ligase complex-mediated CDKN1A/p21 ubiquitination and degradation (PubMed:23213251). Negatively regulates the canonical NF-kappa-B signaling pathway via stabilization of CACTIN in an ubiquitination-independent manner (PubMed:26363554). {ECO:0000269 PubMed:23213251, ECO:0000269 PubMed:26363554}.</p>
Molecular Weight:	59.7 kDa
UniProt:	Q9HCM9

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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

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