Datasheet for ABIN3096043

TRO Protein (AA 1-1431) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TRO
Protein Characteristics:	AA 1-1431
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRO protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	MDRRNDYGYR VPLFQGPLPP PGSLGLPFPP DIQTETTEED SVLLMHTLLA ATKDSLAMDP PVVNRPKKSK TKKAPIKTIT KAAPAAPPVP AANEIATNKP KITWQALNLP VITQISQALP TTEVTNTQAS SVTAQPKKAN KMKRVTAKAA QGSQSPTGHE GGTIQLKSPL QVLKLPVISQ NIHAPIANES ASSQALITSI KPKKASKAKK AANKAIASAT EVSLAATATH TATTQGQITN ETASIHTTAA SIRTKKASKA RKTIAKVINT DTEHIEALNV TDAATRQIEA SVVAIRPKKS KGKKAASRGP NSVSEISEAP LATQIVTNQA LAATLRVKRG SRARKAATKA RATESQTPNA DQGAQAKIAS AQTNVSALET QVAAAVQALA DDYLAQLSLE PTTRTRGKRN RKSKHLNGDE RSGSNYRRIP WGRRPAPPRD VAILQERANK LVKYLLVKDQ TKIPIKRSDM LRDVIQEYDE YFPEIIERAS YTLEKMFRVN LKEIDKQSSL YILISTQESS AGILGTTKDT PKLGLLMVIL SVIFMNGNKA SEAVIWEVLR KLGLRPGVRH SLFGEVRKLI TDEFVKQKYL EYKRVPNSRP PEYEFFWGLR SYHETSKMKV LKFACRVQKK DPKDWAVQYR EAVEMEVQAA AVAVAEAEAR

AEARAQMGIG EEAVAGPWNW DDMDIDCLTR EELGDDAQAW SRFSFEIEAR AQENADASTN VNFSRGASTR AGFSDGASIS FNGAPSSSGG FSGGPGITFG VAPSTSASFS NTASISFGGT LSTSSSFSSA ASISFGCAHS TSTSFSSEAS ISFGGMPCTS ASFSGGVSSS FSGPLSTSAT FSGGASSGFG GTLSTTAGFS GVLSTSTSFG SAPTTSTVFS SALSTSTGFG GILSTSVCFG GSPSSSGSFG GTLSTSICFG GSPCTSTGFG GTLSTSVSFG GSSSTSANFG GTLSTSICFD GSPSTGAGFG GALNTSASFG SVLNTSTGFG GAMSTSADFG GTLSTSVCFG GSPGTSVSFG SALNTNAGYG GAVSTNTDFG GTLSTSVCFG GSPSTSAGFG GALNTNASFG CAVSTSASFS GAVSTSACFS GAPITNPGFG GAFSTSAGFG GALSTAADFG GTPSNSIGFG AAPSTSVSFG GAHGTSLCFG GAPSTSLCFG SASNTNLCFG GPPSTSACFS GATSPSFCDG PSTSTGFSFG NGLSTNAGFG GGLNTSAGFG GGLGTSAGFS GGLSTSSGFD GGLGTSAGFG GGPGTSTGFG GGLGTSAGFS GGLGTSAGFG GGLVTSDGFG GGLGTNASFG STLGTSAGFS GGLSTSDGFG SRPNASFDRG LSTIIGFGSG SNTSTGFTGE PSTSTGFSSG PSSIVGFSGG PSTGVGFCSG PSTSGFSGGP STGAGFGGGP NTGAGFGGGP STSAGFGSGA ASLGACGFSY G

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

Product Details

	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:	TRO
Alternative Name:	TRO (TRO Products)
Background:	Trophinin (MAGE-D3 antigen),FUNCTION: Could be involved with bystin and tastin in a cell adhesion molecule complex that mediates an initial attachment of the blastocyst to uterine epithelial cells at the time of the embryo implantation. Directly responsible for homophilic cell adhesion.
Molecular Weight:	143.7 kDa
UniProt:	Q12816

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

	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