Datasheet for ABIN3135769

FKBP15 Protein (AA 1-1216) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	FKBP15
Protein Characteristics:	AA 1-1216
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP15 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MFGAGDEDDT DFLSPSGGAK LASLFGLDQA TMGHGNEFFQ YTAPKQPKKG QGTAAGNQTA PKPAPATTGT SSVLFATAVH AYRYINGQYA KQGKFGAAVL GNHTSREYRI LLYISQQQPV TVATIHLNFE LMVRPNNYST FYDDQRQNWS IMFESEKAAV SFNKQVCVAK CNSISSLDAV LCQDLVAAEG PAVETGDSLE VAYTGWLLQN HVLGQVFDST ANKDKPLRLK LGSGKVVKGL EDGLLGMKKG GKRLIITPSA CAAGSEGVIG WTQPTDSILV FEVEVRRVKF ARDSGSDGHS VSSRDSAAPS PIPASDSLSA DPVVTPLPLP LKPGEPGLRS KSNSLSEQLT VNSNPDTVKA KLISRMAKMG QPMLPILPPQ LDSNDSETED ATVLRGAGQS LVTPSIQPSL QPAHPVLPQM ASQAPQPSGS GLQTPSAALM QAVSLDSHSA VSGNAQNFQP YAGVQAYAYP QTPSVTSQLQ PVRPLYPAPL SQAPHFQGSG DMMSFLMTEA RQHNTEIRMA VNKVADKMDH LMTKVEELQK HSSGNSMLLP SMSVTMETSM IMSNIQRIIQ ENERLKQELL EKSSRIEEQN DKISDLIERN QRYVEQSNLM MEKRNNSLQT ATENTQARIL HAEQEKAKVT EELAAATAQV SHLQLKMTAH

QKKETELQLQ LTDNLKETDL LRGHVTRLQA DLSELREASE QTQTKFKSEK QSRRQLELKV TSLEEELTDL RAEKTSLEKN LSERKKKSAQ ERCQAEAEMD EIRKSHQEEL DRLRQLLKKA RVSTDQAAAE QLTLAQAELQ SQWEAKCEQL LASARDEHLQ QYREVCAQRD AHQQKLALLQ DECLALQAQI AAFTEQKEHM QRLEKTKSQA PAGRAAADPS EKVKKIMNQV FQSLRGEFEL EESYDGGTIL RTIMHTIKMV TLQLLNHQEE EEEEEEEEEE EKKPLRPSLE QPGPATPGMP PAPPSGETQE APEVLPEQVV GETTPLPLQA LPTPENGAQT RKGEPAEAEV PSEIKDSSLP PQPAGIPAHR VLGPPTSIPP KPPGPVTMDS ESEEMLAADQ RTVQPNGLLG EEHVREVATD GLLQGNSRRL SLTPDPEKGE PPALDPESQG GEAQPPECKQ AEDVSSSGPR ETLLDTELAS AAAGTSLRHN QDSQHCSLSG DEEDELFKGA TLKVPRPTAQ PEEEDEDEVS MKGRPPPTPL FGDDDDDDDD DIGWLG

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!

Product Details

	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:	FKBP15
Alternative Name:	Fkbp15 (FKBP15 Products)
Background:	FK506-binding protein 15 (FKBP-15) (133 kDa FK506-binding protein) (133 kDa FKBP) (FKBP-133) (WASP and FKBP-like) (WAFL),FUNCTION: Involved in the transport of early endosomes at the level of transition between microfilament-based and microtubule-based movement (By similarity). May be involved in the cytoskeletal organization of neuronal growth cones. Seems to be inactive as a PPIase. {ECO:0000250, ECO:0000269|PubMed:16756961}.
Molecular Weight:	133.0 kDa
UniProt:	Q6P9Q6
Pathways:	SARS-CoV-2 Protein Interactome

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

Application Details

	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

Copyright antibodies-online. All rights reserved.