Datasheet for ABIN3134515

Golgin A3 Protein (GOLGA3) (AA 1-1487) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	Golgin A3 (GOLGA3)
Protein Characteristics:	AA 1-1487
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Golgin A3 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MDGASAKQDG LWESKSSSDV SSCPEASLET VGSLARLPDQ QDTAQDASVE VNRGFKEEGS PDRSSQVAIC QNGQIPDLQL SLDPTTSPVG PDASTGVDGF HDNLRNSQGT SAEGSVRKEA LQSLRLSLPM QETQLCSTAS SLPLEKEEQV RLQARKRLEE QLMQYRVKRH RERSSQPATK MKLFSTLDPE LMLNPENLPR ASTVAVTKEY SFLRTSVPRG PKVGSLGLLA HSKEKKNSKS SKIRSLADYR TEDPSDSGGL GSTADAVGSS LKQSRSSTSV VSEVSPSSET DNRVESASMT GDSVSEADGN ESDSSSHSSL SARGACGVLG NVGMPGTAYM VDGQEISAEA LGQFPSIKDV LQAAAAQHQD QNQEANGEVR SRRDSICSSV SMESSLAEPQ DELLQILKDK RRLEGQVEAL SLEASQALQE KAELQAQLAA LSTRLQAQVE HSHSSQQKQD SLSSEVDTLK QSCWDLGRAM TDLQSMLEAK NASLASSNND LQVAEEQYQR LMAKVEDMQR NILSKDNTVH DLRQQMTALQ SQLQQVQLER TTLTSKLQAS QAEITSLQHA RQWYQQQLTL AQEARVRLQG EMAHIQVGQM TQAGLLEHLK LENVSLSHQL TETQHRSIKE KERIAVQLQS IEADMLDQEA AFVQIREAKT

MVEEDLQRRL EEFEGEREQL QKVADAAASL EQQLEQVKLT LFQRDQQLAA LQQEHLDVIK QLTSTQEALQ AKGQSLDDLH TRYDELQARL EELQREADSR EDAIHFLQNE KIVLEVALQS AKSDKEELDR GARRLEEDTE ETSGLLEQLR QDLAVKSNQV EHLQQETATL RKQMQKVKEQ FVQQKVMVEA YRRDATSKDQ LINELKATKK RLDSEMKELR QELIKLQGEK KTVEVEHSRL QKDMSLVHQQ MAELEGHLQS VQKERDEMEI HLQSLKFDKE QMIALTEANE TLKKQIEELQ QEAKKAITEQ KQKMKRLGSD LTSAQKEMKT KHKAYENAVS ILSRRLQEAL ASKEATDAEL NQLRAQSTGG SSDPVLHEKI RALEVELQNV GQSKILLEKE LQEVITMTSQ ELEESREKVL ELEDELQESR GFRRKIKRLE ESNKKLALEL EHERGKLTGL GQSNAALREH NSILETALAK READLVQLNL QVQAVLQRKE EEDRQMKQLV QALQVSLEKE KMEVNSLKEQ MAAARIEAGH NRRHFKAATL ELSEVKKELQ AKEHLVQTLQ AEVDELQIQD GKHSQEIAQF QTELAEARTQ LQLLQKKLDE QMSQQPTGSQ EMEDLKWELD QKEREIQSLK QQLDLTEQQG KKELEGTQQT LQTIKSELEM VQEDLSETQK DKFMLQAKVS ELKNNMKTLL QQNQQLKLDL RRGAAKKKEP KGESNSSSPA TPIKIPDCPV PASLLEELLR PPPAVSKEPL KNLNNCLQQL KQEMDSLQRQ MEEHTITVHE SLSSWAQVEA APAEHAHPRG DTKLHNQNSV PRDGLGQ

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

Product 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! 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:	Golgin A3 (GOLGA3)
Alternative Name:	Golga3 (GOLGA3 Products)
Background:	Golgin subfamily A member 3 (Golgin-160) (Male-enhanced antigen 2) (MEA-2),FUNCTION: Plays an important role in spermatogenesis and/or testis development. Probably identical with the serologically detectable male antigen (SDM). Probably involved in maintaining Golgi structure. {ECO:0000269|PubMed:11835574}.
Molecular Weight:	167.2 kDa
UniProt:	P55937
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

Application Details

	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