

Datasheet for ABIN3092790

Golgin A3 Protein (GOLGA3) (AA 1-1498) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	Golgin A3 (GOLGA3)
Protein Characteristics:	AA 1-1498
Origin:	Human
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:	<p>MDGASAEQDG LQEDRSHSGP SSLPEAPLKP PGPLVPPDQQ DKVQCAEVNR ASTEGESPDG</p> <p>PGQGGLCQNG PTPFPDPPS SLDPTTSPVG PDASPGVAGF HDNLRKSQGT SAEGSVRKEA</p> <p>LQSLRLSLPM QETQLCSTDS PLPLEKEEQV RLQARKWLEE QLKQYRVKRQ QERSSQPATK</p> <p>TRLFSTLDPE LMLNPENLPR ASTLAMTKEY SFLRTSVPRG PKVGSGLGPA HPREKKTSKS</p> <p>SKIRSLADYR TEDSNAGNSG GNVPA PDSTK GSLKQNRSSA ASVVSEISLS PDTDDRLENT</p> <p>SLAGDSVSEV DGNDSDSSSY SSASTRGTYG ILSKTVGTQD TPYMVNGQEI PADTLGQFPS</p> <p>IKDVLQAAAA EHQDQGQEVN GEVRSRRDSI CSSVSLESSA AETQEMLQV LKEKMRLEGQ</p> <p>LEALSLEASQ ALKEKAELQA QLAALSTKLQ AQVECSHSSQ QRQDLSSEV DTLKQSCWDL</p> <p>ERAMTDLQNM LEAKNASLAS SNNDLQVAEE QYQRLMAKVE DMQRSMLSKD NTVHDLRQQM</p> <p>TALQSQLQQV QLERTTLTSK LKASQAEISS LQSVRQWYQQ QLALAQEARV RLQGEMAHIQ</p> <p>VGQMTQAGLL EHLKLENVSL SQQLTETQHR SMKEKGRIAA QLQIEADML DQEA AFMIQI</p>

EAKTMVEEDL QRRLEEFEGE RERLQRMADS AASLEQQLEQ VKLTLLQRDQ QLEALQQEHL
DLMKQLTLTQ EALQSREQL DALQTHYDEL QARLGELQGE AASREDTICL LQNEKIILEA
ALQAAKSGKE ELDRGARRLE EGTEETSETL EKLREELAIK SGQVEHLQQE TAALKKQMQK
IKEQFLQQKV MVEAYRRDAT SKDQLISELK ATRKRLDSEL KELRQELMQV HGEKRTAEAE
LSRLHREVAQ VRQHMADLEG HLQSAQKERD EMETHLQSLQ FDKEQMVAVT EANEALKKKI
EELQQEARKA ITEQKQKMRR LGSDLTSAQK EMKTKHKAYE NAVGILSRRL QEALAAKEAA
DAELGQLRAQ GGSSDSSLAL HERIQALEAE LQAVSHSKTL LEKELQEVIA LTSQELESR
EKVLELEDEL QESRGFRKKI KRLEESNKKL ALELEHEKGK LTGLGQSNA LREHNSILET
ALAKREADLV QNLQVQAVL QRKEEDRQM KHLVQALQAS LEKEKEKVNS LKEQVAAAKV
EAGHNRRHFK AASLELSEVK KELQAKEHLV QKLQAEADDL QIREGKHSQE IAQFQALAE
ARAQLQLLQK QLDEQLSKQP VGNQEMENLK WEVDQKEREI QSLKQQLDLT EQQGRKELEG
LQQLLQNVKS ELEMAQEDLS MTQKDKFMLQ AKVSELKNNM KTLLQNNQQL KLDLRRGA
AK TRKEPKGEAS SSNPATPIKI PDCVPASLL EELLRPPAV SKEPLKNLNS CLQQLKQEMD
SLQRQMEEHA LTVHESLSSW TPLEPATASP VPPGGHAGPR GDPQRHSQSR ASKEGPGE

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 (Golgi complex-associated protein of 170 kDa) (GCP170) (Golgin-160),FUNCTION: Golgi auto-antigen, probably involved in maintaining Golgi structure.
Molecular Weight:	167.4 kDa
UniProt:	Q08378
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 <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

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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
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Handling

Format:	Liquid
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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.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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