Datasheet for ABIN3092790

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

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Overview

Quantity:	1 mg
Target:	Golgin A3 (GOLGA3)
Protein Characteristics:	AA 1-1498
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
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

Sequence:	MDGASAEQDG LQEDRSHSGP SSLPEAPLKP PGPLVPPDQQ DKVQCAEVNR ASTEGESPDG PGQGGLCQNG PTPPFPDPPS SLDPTTSPVG PDASPGVAGF HDNLRKSQGT SAEGSVRKEA LQSLRLSLPM QETQLCSTDS PLPLEKEEQV RLQARKWLEE QLKQYRVKRQ QERSSQPATK TRLFSTLDPE LMLNPENLPR ASTLAMTKEY SFLRTSVPRG PKVGSLGLPA HPREKKTSKS SKIRSLADYR TEDSNAGNSG GNVPAPDSTK GSLKQNRSSA ASVVSEISLS PDTDDRLENT SLAGDSVSEV DGNDSDSSSY SSASTRGTYG ILSKTVGTQD TPYMVNGQEI PADTLGQFPS IKDVLQAAAA EHQDQGQEVN GEVRSRRDSI CSSVSLESSA AETQEEMLQV LKEKMRLEGQ LEALSLEASQ ALKEKAELQA QLAALSTKLQ AQVECSHSSQ QRQDSLSSEV DTLKQSCWDL ERAMTDLQNM LEAKNASLAS SNNDLQVAEE QYQRLMAKVE DMQRSMLSKD NTVHDLRQQM TALQSQLQQV QLERTTLTSK LKASQAEISS LQSVRQWYQQ QLALAQEARV RLQGEMAHIQ VGQMTQAGLL EHLKLENVSL SQQLTETQHR SMKEKGRIAA QLQGIEADML DQEAAFMQIQ EAKTMVEEDL QRRLEEFEGE RERLQRMADS AASLEQQLEQ VKLTLLQRDQ QLEALQQEHL

DLMKQLTLTQ EALQSREQSL DALQTHYDEL QARLGELQGE AASREDTICL LQNEKIILEA ALQAAKSGKE ELDRGARRLE EGTEETSETL EKLREELAIK SGQVEHLQQE TAALKKQMQK IKEQFLQQKV MVEAYRRDAT SKDQLISELK ATRKRLDSEL KELRQELMQV HGEKRTAEAE LSRLHREVAQ VRQHMADLEG HLQSAQKERD EMETHLQSLQ FDKEQMVAVT EANEALKKQI EELQQEARKA ITEQKQKMRR LGSDLTSAQK EMKTKHKAYE NAVGILSRRL QEALAAKEAA DAELGQLRAQ GGSSDSSLAL HERIQALEAE LQAVSHSKTL LEKELQEVIA LTSQELEESR EKVLELEDEL QESRGFRKKI KRLEESNKKL ALELEHEKGK LTGLGQSNAA LREHNSILET ALAKREADLV QLNLQVQAVL QRKEEEDRQM KHLVQALQAS LEKEKEKVNS LKEQVAAAKV EAGHNRRHFK AASLELSEVK KELQAKEHLV QKLQAEADDL QIREGKHSQE IAQFQAELAE ARAQLQLLQK QLDEQLSKQP VGNQEMENLK WEVDQKEREI QSLKQQLDLT EQQGRKELEG LQQLLQNVKS ELEMAQEDLS MTQKDKFMLQ AKVSELKNNM KTLLQQNQQL KLDLRRGAAK TRKEPKGEAS SSNPATPIKI PDCPVPASLL EELLRPPPAV 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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)

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

Application Details

	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 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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)