

Datasheet for ABIN7547988

GGA1 Protein (AA 1-639) (His tag)



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Overview

Quantity:	1 mg
Target:	GGA1
Protein Characteristics:	AA 1-639
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GGA1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GGA1 Protein expressed in mammalian cells.
Sequence:	<p>MEPAMEPETL EARINRATNP LNKELDWASI NGFCEQLNED FEGPPLATRL LAHKIQSPQE</p> <p>WEAIQALTVL ETCMKSCGKR FHDEVGKFRF LNELIKVVSP KYLGSRSTSEK VKNKILELLY</p> <p>SWTVGLPEEV KIAEAYQMLK KQGIVKSDPK LPDDTTFLPL PPRPKNVIFE DEEKSMLAR</p> <p>LLKSSHPEDL RAANKLIKEM VQEDQKRMEK ISKRVNAIEE VNNNVKLLTE MVMSHSQGGA</p> <p>AAGSSEDLMK ELYQRCERMR PTLFRLASDT EDNDEALAEI LQANDNLTQV INLYKQLVRG</p> <p>EEVNGDATAG SIPGSTSALL DLSGLDLPPA GTTYPAMPTR PGEQASPEQP SASVSLLDDE</p> <p>LMSLGLSDPT PPSGPSLDGT GWNSFQSSDA TEPPAPALAQ APSMESRPPA QTSLPASSGL</p> <p>DDL DLLGKTL LQQSLPPESQ QVRWEKQQPT PRLTLRDLQN KSSSCSSPSS SATSLLHTVS</p> <p>PEPPRPQQP VPTELSLASI TVPLESIKPS NILPVTVDYQ HGFRILFHFA RDPLPGRSDV</p> <p>LVVVVSMLST APQPIRNIVF QSAVPKVMKV KLQPPSGTEL PAFNPVHPS AITQVLLLAN</p> <p>PQKEKVRLRY KLTFTMGDQT YNEMGDVDQF PPPETWGS</p> <p>Sequence without tag. The</p>

proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

GGA1

Alternative Name:

GGA1 ([GGA1 Products](#))

Background:

ADP-ribosylation factor-binding protein GGA1 (Gamma-adaptin-related protein 1) (Golgi-localized, gamma ear-containing, ARF-binding protein 1), FUNCTION: Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (DXXLL) motif (PubMed:11301005, PubMed:15886016). Mediates export of the GPCR receptor ADRA2B to the cell surface (PubMed:27901063). Required for targeting PKD1:PKD2 complex from the trans-Golgi network to the cilium membrane (By similarity). Regulates retrograde transport of proteins such as phosphorylated form of BACE1 from endosomes to the trans-Golgi network (PubMed:15886016, PubMed:15615712). {ECO:0000250|UniProtKB:Q8R0H9,

Target Details

	ECO:0000269 PubMed:11301005, ECO:0000269 PubMed:15615712, ECO:0000269 PubMed:15886016, ECO:0000269 PubMed:27901063}.
Molecular Weight:	70.4 kDa
UniProt:	Q9UJY5

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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months