

Recombinant Human GGA1 Protein, C-Myc/DDK-tagged

Cat. No. GGA1-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GGA1 Protein, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) protein family. Members of this family are ubiquitous coat proteins that regulate the trafficking of proteins between the trans-Golgi network and the lysosome. These proteins share an amino-terminal VHS domain which mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	61.2 kDa
AA Sequence	MEPAMEPETLEARINRATNPLNKELDWASINGFCEQLNEDFEGPPLATRLLAHKIQS PQEWELAIQALTVL ETCMKSCGKRFHDEVGKFRFLNELIKVVSPKYLGSRTSEKVK KILELLYSWTVGLPEEVKIAEAYQMLK KQGIVKSDPKLPDDTTFPLPPRPKNVIFED EEKSKMLARLLKSSHPEDLRAANKLIKEMVQEDQKRMEK ISKRVNAIEEVNNNVKLL TEMVMSHSQGGAAGSSEDLMKELYQRCERMRPTLFRLASDTEDEALGLS DPT

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PPSGPSLDGTGWNSFQSSDATEPPAPALAQAPSMESRPPAQTSLPASSGLDDDLL
GKTLQQLPP ESQQVRWEKQQPTPRLTLRDLQNKSSSCSSPSSSATSLLHTVSPE
PPRPPQQPVPTSLASITVPLESI KPSNILPVTVDQHGFRILFHFARDPLPGRSDV
LVVVVSMSTAPQPIRNIVFQSAVPKVMKVKLQPPSG TELPAFNPIVHPSAITQVLLL
ANPQKEKVRLRYKLTFTMGDQTYNEMGDVDQFPPPETWGSL TRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Applications Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

GENE INFORMATION

Gene Name GGA1 golgi associated, gamma adaptin ear containing, ARF binding protein 1 [Homo sapiens (human)]

Official Symbol GGA1

Synonyms ADP-ribosylation factor binding protein 1; gamma-adaptin related protein 1; golgi associated, gamma adaptin ear containing, ARF binding protein 1;

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OTTHUMP00000028975; OTTHUMP00000042200

Gene ID 26088

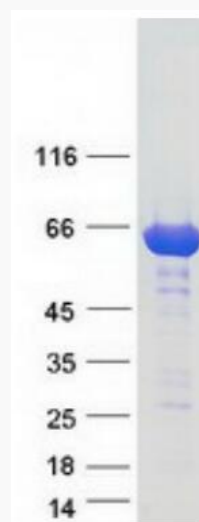
mRNA Refseq NM_013365.5

Protein Refseq NP_037497.1

MIM 606004

UniProt ID Q9UJY5

SDS-PAGE



Coomassie blue staining of purified GGA1 protein.

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