

Recombinant Human GGA3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GGA3-1937H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GGA3 MS Standard C13 and N15-labeled recombinant protein (NP_619525) with a C-terminal MYC/DDK tag, 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) family. This family includes 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 have been identified in this gene.
Molecular Mass	78.1 kDa
AA Sequence	MAEAEGESLESWLNKATNPSNRQEDWEYIIGFCDQINKELEGPQIAVRLLAHKIQSP QEWEALQALTVLEACMKNCGRRFHNEVGKFRFLNELIKVVSPKYLGDRVSEKVVKTK VIELLYSWTMALPEEAKIKDAYHMLKRQGIVQSDPPPIVDRTLIPSPPPRPKNPVFDD EEKSKLLAKLLKSKNPDDLQEANKLIKSMVKEDEARIQKVTKRLHTLEEVENNNVRLLS EMLLHYSQEDSSDGDRELMKELFDQCENKRRTLFLKLASETEDNDNSLGDILQASDN LSRVINSYKTIIEGQVINGEVATLTLPDSEGNSQCSNQGTILDLAELDTTNSLSSVLAP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

APTPPSSGIPILPPPPQASGPPRSRSSSQAEATLGPSSTSNALSWLDEELLCLGLAD
 PAPNVPPKESAGNSQWHLQREQSDLDFSPRPGTAACGASDAPLLQPSAPSSSS
 SQAPLPPFPAPVVPASVPAPSAGSSLFSTGVAPALAPKVEPAVPGHHGLALGNSA
 LHHLDALDQLLEEAKVTSGLVKPTTSLIPTTTTPARPLLPFSTGPGSPLFQPLSFQSQ
 GSPPKGPELSLASHVPLESIKPSSALPVTAYDKNGFRILFHFAKECPPGRPDVLVVV
 VSMLNTAPLPVKSIVLQAAVPKSMKVKLQPPSGTELSPIQPPAAITQVMLLANPL
 KEKVRLRYKLTFALGEQLSTEVGEVDQFPPVEQWGNLTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GGA3 golgi associated, gamma adaptin ear containing, ARF binding protein 3 [Homo sapiens (human)]
Official Symbol	GGA3
Synonyms	GGA3; golgi-associated, gamma adaptin ear containing, ARF binding protein 3; ADP-ribosylation factor-binding protein GGA3; KIAA0154; Golgi-localized, gamma ear-containing, ARF-binding protein 3; golgi associated, gamma adaptin ear containing, ARF binding protein 3;

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Gene ID	23163
mRNA Refseq	NM_138619
Protein Refseq	NP_619525
MIM	606006
UniProt ID	Q9NZ52
SDS-PAGE	