

## Product datasheet for PH313361

### GGA3 (NM\_138619) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GGA3 MS Standard C13 and N15-labeled recombinant protein (NP_619525)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213361
Predicted MW:	78.1 kDa
Protein Sequence:	>RC213361 representing NM_138619 Red=Cloning site Green=Tags(s)

MAEAGESLESWLNKATNPSNRQEDWEYIIGFCDQINKELEGPQIAVRLLAHKIQSPQEWALQALTVLE  
ACMKNGGRRFHNEVGKFRFLNELIKVVSPKYLGDVSEKVKTKVIELLYSWTMALPEEAKIKDAYHMLKR  
QGIVQSDPPIPVDRTLIPSPPPRPKNPVFDDEEKSKLLAKLLKSKNPDDLQEANKLIKSMVKEDEARIQK  
VTKRLHTEEVNNVRLLEMLLHYSQEDSSDGDRELMKELFDQCENKRRTLFLKASETEDNDNSLGDIL  
QASDNLSRVINSYKTIIEGQVINGEVATLTLPDSEGNSQCSNQGTIDLAELDTTNSLSSVLAPAPTPPS  
SGIPILPPPPQASGPPRSRSSQAEATLGPSSTSNALSWLDEELLCLGLADPAPNVPPKESAGNSQWHLL  
QREQSDLDFSPRPGTAAACGASDAPLLQPSAPSSSSSQAPLPPFPAPVVPASVPASAGSSLFSTGVAP  
ALAPKVEPAVPGHHGLALGNSALHHLDALDQLLEEAKVTSGLVKPTTSPLIPTTTTPARPLLPFSTGPGSP  
LFQPLSFQSQGSPKPELSLASHVPLESIKPSALPVTAYDKNGFRILFHFAKECPPGRPDVLVVVVS  
MLNTAPLPVKSIVLQAAVPKSMVKLQPPSGTELSPFSPIQPPAAITQVMLLANPLKEKVRRLRYKLTAL  
GEQLSTEVGEVDQFPPVEQWGNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_619525</a>



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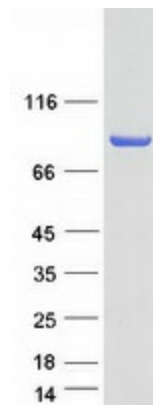
RefSeq Size: 3860  
RefSeq ORF: 2169  
Locus ID: 23163  
UniProt ID: [Q9NZ52](#), [A8K6M0](#)  
Cytogenetics: 17q25.1

**Summary:** 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. [provided by RefSeq, Feb 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** Lysosome

### Product images:



Coomassie blue staining of purified GGA3 protein (Cat# [TP313361]). The protein was produced from HEK293T cells transfected with GGA3 cDNA clone (Cat# [RC213361]) using MegaTran 2.0 (Cat# [TT210002]).