

Product datasheet for PH315268

ARFGAP1 (NM_018209) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARFGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_060679)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215268
Predicted MW:	44.5 kDa
Protein Sequence:	>RC215268 representing NM_018209 Red=Cloning site Green=Tags(s)
	MASPRTRKVLKEVRVQDENNVCFECGAFNPQWVSVTYGIWICLECSGRHRGLGVHLSFVRSVTMDKWKDI ELEKMKAGGNAKFREFLESQEDYDPCWSLQEKYNSRAALFRDKVVALAEGREWSLESSPAQNWTTPPQPR TLPMSVHRVSGQPQSVTASSDKAFEDWLNDDLGSYQGAQGNRYVGFNTPPPQKKEDDFLNNAMSSLYSG WSSFTTGASRFASAAKEGATKFGSQASKASELGHSLNENVLKPAQEKVKEGKIFDDVSSGVSQ LASKVQ GVGSKGWRDVTTFSGKAEGPLDSPSEGHYSQNSGLDHFQNSNIDQSFWETFGSAEPTKTRKSPSSDSWT CADTSTERRSSDSWEVWGSASTNRNSNSDGGEGGEGTKKAVPPAVPTDDGWDNQNW
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_060679</u>
RefSeq Size:	3250
RefSeq ORF:	1218
Synonyms:	ARF1GAP; HRIHFB2281
Locus ID:	55738



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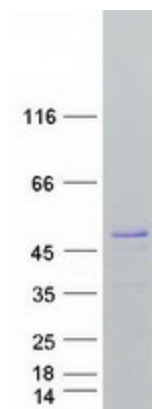
UniProt ID: [Q8N6T3](#), [Q53F62](#)

Cytogenetics: 20q13.33

Summary: The protein encoded by this gene is a GTPase-activating protein, which associates with the Golgi apparatus and which interacts with ADP-ribosylation factor 1. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1-bound GTP and is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is required for the fusion of these vesicles with target compartments. The activity of this protein is stimulated by phosphoinositides and inhibited by phosphatidylcholine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified ARFGAP1 protein (Cat# [TP315268]). The protein was produced from HEK293T cells transfected with ARFGAP1 cDNA clone (Cat# [RC215268]) using MegaTran 2.0 (Cat# [TT210002]).