

Recombinant Human ARFGAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARFGAP1-6421H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARFGAP1 MS Standard C13 and N15-labeled recombinant protein (NP_783202) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	45.7 kDa
AA Sequence	MASPRTRKVLKEVRVQDENNVCFECGAFNPQWVSVTYGIWICLECSGRHRGLGVH LSFVRSVTMDKWKDIELEKMKAGGNAKFRFLESQEDYDPCWSLQEKYNSRAALF RDKVVALAEGREWSLESSPAQNWTPPQPRTLPSMVHRVSGQPQSVTASSDKAFED WLNDLGSYQGAQGNRYVGFNTPPPQKKEDDFLNNAMSSLYSGWSSFTTGASR FASAAKEGATKFGSQASQKFWGHKQQPEPASELGHSLNENVLKPAQEKVKEGKIFD

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DVSSGVSQ LASKGVGSKGWRDVTTFFSGKAEGPLDSPSEGHSYQNSGLDHFQNS
 NIDQSFWETFGSAEPTKTRKSPSSDSWTCADTSTERRSSDSWEVWGSASTNRNSN
 SDGGEGGEGTKKAVPPAVPTDDGWDNQNWTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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 [ARFGAP1 ADP-ribosylation factor GTPase activating protein 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ARFGAP1](#)

Synonyms ARFGAP1; ADP-ribosylation factor GTPase activating protein 1; ADP ribosylation factor 1 GTPase activating protein, ARF1GAP; ADP-ribosylation factor GTPase-activating protein 1; bA261N11.3; FLJ10767; ARF1 GAP; ARF GAP 1; GAP protein; ARF1-directed GTPase-activating protein; ADP-ribosylation factor 1 GTPase activating protein; ADP-ribosylation factor 1 GTPase-activating protein; ARF1GAP; HRIHFB2281; MGC39924;

Gene ID [55738](#)

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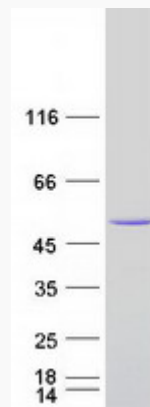
mRNA Refseq [NM_175609](#)

Protein Refseq [NP_783202](#)

MIM [608377](#)

UniProt ID [Q8N6T3](#)

SDS-PAGE



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