Recombinant Human ARFGAP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARFGAP3-575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARFGAP3 MS Standard C13 and N15-labeled recombinant protein (NP_055385) 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 (GAP) that associates with the Golgi apparatus and regulates the early secretory pathway of proteins. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1 (ARF1)-bound GTP, which is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is a prerequisite for the fusion of these vesicles with target compartments. The activity of this protein is sensitive to phospholipids. Multiple transcript variants encoding different isoforms have been found for this gene. This gene was originally known as ARFGAP1, but that is now the name of a related but different gene.
Molecular Mass	57 kDa
AA Sequence	MGDPSKQDILTIFKRLRSVPTNKVCFDCGAKNPSWASITYGVFLCIDCSGSHRSLGV HLSFIRSTELDSNWSWFQLRCMQVGGNASASSFFHQHGCSTNDTNAKYNSRAAQL YREKIKSLASQATRKHGTDLWLDSCVVPPLSPPPKEEDFFASHVSPEVSDTAWASAI AEPSSLTSRPVETTLENNEGGQEQGPSVEGLNVPTKATLEVSSIIKKKPNQAKKGLG

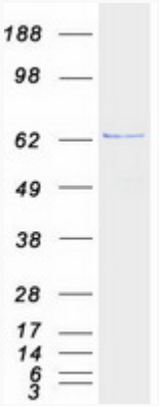
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	AKKGSLGAQKLANTCFNEIEKQAQAADKMKEQEDLAKVVSKEESIVSSLRLAYKDLEI QMKKDEKMNISGKKNVDSDRLGMGFGNCRSVISHSVTSDMQTIEQESPIMAKPRKK YNDDSDDSYFTSSSRYFDEPVELRSSSFSSWDDSSDSYWKKETSKDTETVLKTTGY SDRPTARRKPDYEPVENTDEAQKKFGNVKAISSDMYFGRQSQADYETRARLERLSA SSSISSADLFEEPRKQPAGNYSLSSVLPNAPDMAQFKQGVRSVAGKLSVFANGVVT SIQDRYGSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	ARFGAP3 ADP-ribosylation factor GTPase activating protein 3 [Homo sapiens (human)]
Official Symbol	ARFGAP3
Synonyms	ARFGAP3; ADP-ribosylation factor GTPase activating protein 3; ADP ribosylation factor GTPase activating protein 1, ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARF GAP 3; ADP-ribosylation factor GTPase activating protein 1; ARFGAP1; FLJ45618;
Gene ID	26286

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mRNA Refseq	NM_014570
Protein Refseq	NP_055385
MIM	612439
UniProt ID	Q9NP61
SDS-PAGE	

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