

Recombinant Mouse Arfgap1 Protein, Myc/DDK-tagged

Cat. No. Arfgap1-1674M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ADP-ribosylation factor GTPase activating protein 1 (Arfgap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDELR proteins and TMED2. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinositides and inhibited by phosphatidylcholine.
Molecular Mass	45.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Arfgap1 ADP-ribosylation factor GTPase activating protein 1 [Mus musculus (house mouse)]

Official Symbol Arfgap1

Synonyms ARFGAP1; ADP-ribosylation factor GTPase activating protein 1; ADP-ribosylation factor GTPase-activating protein 1; ARF1 GAP; ARF GAP 1; ARF1-directed GTPase-activating protein; ADP-ribosylation factor 1 GTPase activating protein; ADP-ribosylation factor 1 GTPase-activating protein; Arf1gap; AI115377

Gene ID 228998

mRNA Refseq NM_145760

Protein Refseq NP_665703

UniProt ID Q9EPJ9

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