

Recombinant Human ARFGAP3, GST-tagged

Cat. No. ARFGAP3-9806H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARFGAP3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-346a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	ARFGAP3 ADP-ribosylation factor GTPase activating protein 3 [Homo sapiens]
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
mRNA Refseq	NM_001142293
Protein Refseq	NP_001135765
MIM	612439
UniProt ID	Q9NP61
Chromosome Location	22q13.2
Pathway	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Function	ARF GTPase activator activity; metal ion binding; protein transporter activity; zinc ion binding;

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