

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 Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

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|----------------------------|--|
| 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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