

Recombinant Full Length Human ARFGAP3 Protein, GST-tagged

Cat. No. ARFGAP3-1197HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARFGAP3 full-length ORF (NP_055385.2, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	516 amino acids
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. [provided by RefSeq, Nov 2008]
Molecular Mass	83.4 kDa
AA Sequence	MGDPSKQDIL TIFKRLRSVP TNKVCFDCGA KNPSWASITY GVFLCIDCSG SHRSLGVHLS FIRSTELDSN WSWFQLRCMQ VGGNASASSF FHQHGCTND TNAKYNsRAA QLYREKIKSL ASQATRKHGT DLWLDSCVVP PLSPPPKEED

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FFASHVSPEV SDTAWASAIA EPSSLTSRPV ETTLENNEGG QEQGSPVEGL
 NVPTKATLEV SSIKKKPNQ AKKGLGAKKG SLGAQKLANT CFNEIEKQAA
 AADKMKEQED LAKVVSKEES IVSSLRLAYK DLEIQMKKDE KMNISGKKNV
 DSDRLGMGFG NCRSVISHSV TSDMQTIEQE SPIMAKPRKK YNDDSDDSYF
 TSSSRFYDEP VELRSSSFSS WDDSSDSYWK KETSKDTETV LKTTGYSDRP
 TARRKPDYEP VENTDEAQKK FGNVKAISSD MYFGRQSQAD YETRARLERL
 SASSSISSAD LFEEPRKQPA GNYSLSVLP NAPDMAQFKQ GVRSVAGKLS
 VFANGVVTSI QDRYGS

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Protein Refseq	NP_001135765
MIM	612439
UniProt ID	Q9NP61

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