

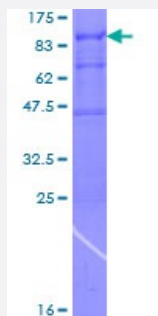
Full-Length

ARFGAP3 (Human) Recombinant Protein (P01)

Catalog # H00026286-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ARFGAP3 full-length ORF (NP_055385.2, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGDPSKQDILTIFKRLRSVPTNKVCFDCGAKNPSWASITYGVFLCIDCSGSHRSLGVHLSFIRSTEL
DSNWSWFQLRCMQVGGNASASSFFHQHGCSTNDTNAKYNRAAQLYREIKSLASQATRKHGT
DLWLDSCVVPPLSPPPKEEDFFASHVSPEVSDTAWASAAEPSSLTSRPVETTLENNEGGQEQ
GPSVEGLNVPTKATLEVSSIIKKKPNQAKKGLGAKKGSLGAQKLANTCFNEIEKQAQAADKMKEQ
EDLAKVVSKEESVSSLRLAYKDLEIQMKKDEKMNISGKKNVDSDDLGMGFGNCRSVISHSVTSD
MQTIEQESPIMAKPRKKYNDDSDSYFTSSSRFYDEPVELRSSSFSSWDDSSDSYWKKETSKDT
ETVLKTTGYSDRPTARRKPDYEPVENTDEAQKKFGNVKAISSDMYFGRQSQADYETRARLERLSA
SSSISSADLFEEPRKQPAGNYSLSSVLPNAPDMAQFKQGVRVSVAGKLSVFANGVVTSIQDRYGS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ARFGAP3

Entrez GeneID[26286](#)**GeneBank Accession#**[NM_014570.3](#)**Protein Accession#**[NP_055385.2](#)**Gene Name**

ARFGAP3

Gene Alias

ARFGAP1, FLJ45618

Gene Description

ADP-ribosylation factor GTPase activating protein 3

Gene Ontology[Hyperlink](#)**Gene Summary**

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]

Other Designations

ADP-ribosylation factor GTPase activating protein 1|OTTHUMP00000028526

Pathway

- [Endocytosis](#)

Disease

- [Tobacco Use Disorder](#)