

Product datasheet for PH302392

ARFGAP3 (NM_014570) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARFGAP3 MS Standard C13 and N15-labeled recombinant protein (NP_055385)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202392
Predicted MW:	57 kDa
Protein Sequence:	>RC202392 protein sequence Red=Cloning site Green=Tags(s)

MGDPSKQDILTIKRLRSVPTNKVCFDCGAKNPASWASITYGVFLCIDCSGSHRSLGVHLSFIRSTELDSN
WSWFQLRCMQVGGNASASSFFHQHCSTNDTNAKYNRAAQLYREKIKSLASQATRKHGTDLWLDSCVVP
PLSPPPKEEDFFASHVSPEVSDTAWASAIAPSSLTSRPVETTLENNEGGQEQGPSVEGLNVPTKATLEV
SSI I K K K P N Q A K K G L G A K K G S L G A Q K L A N T C F N E I E K Q A A A D K M K E Q E D L A K V S K E E S I V S S L R L A Y K
D L E I Q M K K D E K M N I S G K K N V D S D R L G M G F G N C R S V I S H S V T S D M Q T I E Q E S P I M A K P R K K Y N D S D D S Y F
T S S R Y F D E P V E L R S S S F S S W D D S D S Y W K K E T S K D T E T V L K T T G Y S D R P T A R R K P D Y E P V E N T D E A Q K K
F G N V K A I S S D M Y F G R Q S Q A D Y E T R A R L E R L S A S S I S S A D L F E E P R K Q P A G N Y S L S S V L P N A P D M A Q F K Q
G V R S V A G K L S V F A N G V V T S I Q D R Y G S

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055385</u>
RefSeq Size:	2851
RefSeq ORF:	1548



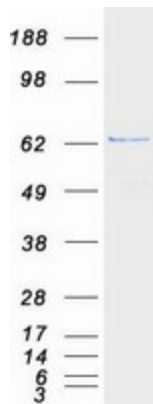
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Synonyms: ARFGAP1
Locus ID: 26286
UniProt ID: [Q9NP61](#), [A0A024R4U0](#)
Cytogenetics: 22q13.2

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, Nov 2008]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified ARFGAP3 protein (Cat# [TP302392]). The protein was produced from HEK293T cells transfected with ARFGAP3 cDNA clone (Cat# [RC202392]) using MegaTran 2.0 (Cat# [TT210002]).