

Product datasheet for PH320614

ARHGAP22 (NM_021226) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARHGAP22 MS Standard C13 and N15-labeled recombinant protein (NP_067049)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220614
Predicted MW:	76.6 kDa
Protein Sequence:	>RC220614 representing NM_021226 Red=Cloning site Green=Tags(s)

MLSPKIRQARRARSKSLVMGEQSRSPGRMPCPHRLGPVLRKAGWLKQKRSIMKNWQQRWFLRGDQLFYK
DKDEIKPQGFISLQGTQVTELPPEPEDPGKHLFEISPGGAGEREKVPANPEALLMASSQRDMEDWVQAI
RRVIWAPLGGGIFGQRLEETVHHERKYGPRLLAPLLVEQCVDVIRERGLTEEGLFRMPGQANLVRDLQDSF
DCGEKPLFDSTTDVHTVASLLKLYLRELPEPVVPFARYEDFLSQAQLLTKDEGEGTLELAKQVSNLPQAN
YNLLRYICKFLDEVQAYSNNKMSVQNLATVFGPNILRPQVEDPVTIMEGTSLVQHLMTVLIRKHSQLFT
APVPEGPTSPRGGQLCAVWGWSSEVTRDSQGEPPGGLPAHRTSSLDGAAVAVLSRTAPTGPGRCSGPK
KVQTLPSWKSSFRQPRSLSGSPKGGSSLEVPIISSGGNWMNGLSSLRGHRASSGDRLKDSGVSQRLS
TYDNVPAPGLVPGIPSVASMAWSGASSSESSVGGSLSSCTACRASDSSARSSLHTDWALEPSPLPSSSED
PKSLDLDHSMDEAGAGASNSEPSPTREHARRSEALQGLVTELRaelCRQTEYERSVKRIIEGSAD
LRRKMSRLEEELDQEKKYIMLEIKLRNSERAREDAERRNQLLQREMEFFSTLGSGLTVGAKGARAPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_067049
RefSeq Size:	2775



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RefSeq ORF: 2094

Synonyms: RhoGAP2; RhoGap22

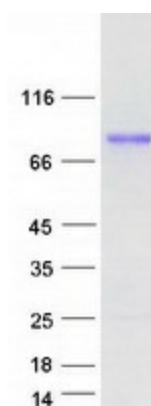
Locus ID: 58504

UniProt ID: [Q7Z5H3](#)

Cytogenetics: 10q11.22-q11.23

Summary: This gene encodes a member of the GTPase activating protein family which activates a GTPase belonging to the RAS superfamily of small GTP-binding proteins. The encoded protein is insulin-responsive, is dependent on the kinase Akt and requires the Akt-dependent 14-3-3 binding protein which binds sequentially to two serine residues. The result of these interactions is regulation of cell motility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified ARHGAP22 protein (Cat# [TP320614]). The protein was produced from HEK293T cells transfected with ARHGAP22 cDNA clone (Cat# [RC220614]) using MegaTran 2.0 (Cat# [TT210002]).