

Product datasheet for PH318707

ARHGAP8 (NM_181335) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARHGAP8 MS Standard C13 and N15-labeled recombinant protein (NP_851852)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218707
Predicted MW:	49.9 kDa
Protein Sequence:	>RC218707 protein sequence Red=Cloning site Green=Tags(s)

MAGQDPALSTSHPFYDVARHGILQVAGDDRFGRVVTFSCCRMPPSHELDHQRLLEYLKYTLDQYVENDY
TIVYFHYGLNSRNKPSLGWLQSAYKEFDRKYKKNLKALYVHPTSFYKVLWNILKPLISHKFVKVIYFN
YLSELHEHLKYDQLVIPPEVLRVYDEKLQSLHEGRTPPPTKTPPPRPPLPTQQFGVSLQYLKDKNQGELIP
PVLRFVTYTLREKGLRTEGLFRRSASVQTVREIQRLYNQKGPVNFDDYGDIIHIPAVILKTFRLRELQPLL
TFQAYEQILGITCVESLRLVTRCRQILRSLPEHNYVVLRYLMGFHLHVSRESIFNKMNSSNLACVFGNL
IWPSQGVSSLSALVPLNMFTELLIEYYEKIFSTPEAPGEHGLAPWEQGSRAAPLQEAVPRTQATGLTKPT
LPPSPLMAARRRL

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- 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_851852</u>
RefSeq Size:	1632
RefSeq ORF:	1299
Synonyms:	BPGAP1; PP610



[View online »](#)

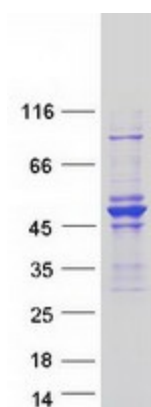
Locus ID: 23779

UniProt ID: [P85298](#), [Q6PJW1](#)

Cytogenetics: 22q13.31

Summary: This gene encodes a member of the RHOGAP family. GAP (GTPase-activating) family proteins participate in signaling pathways that regulate cell processes involved in cytoskeletal changes. GAP proteins alternate between an active (GTP-bound) and inactive (GDP-bound) state based on the GTP:GDP ratio in the cell. This family member is a multidomain protein that functions to promote Erk activation and cell motility. Alternative splicing results in multiple transcript variants. Read-through transcripts from the upstream proline rich 5, renal (PRR5) gene into this gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010]

Product images:



Coomassie blue staining of purified ARHGAP8 protein (Cat# [TP318707]). The protein was produced from HEK293T cells transfected with ARHGAP8 cDNA clone (Cat# [RC218707]) using MegaTran 2.0 (Cat# [TT210002]).