

Recombinant Human ARHGAP8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGAP8-1232H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARHGAP8 MS Standard C13 and N15-labeled recombinant protein (NP_851852) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.9 kDa
AA Sequence	MAGQDPALSTSHPFYDVARHGILQVAGDDRFGRRVVFSCCRMPPSHELDHQRLL EYLKYTLQYVENDYTIVYFHYGLNSRNKPSLGWLQSAYKEFDRKYKKNLKALYVVH PTSEIKVLWNILKPLISHKFGKKVIYFNYSLEHLKYDQLVIPPEVRLRYDEKLQSLHE GRTPPPTKTPPPRPPLPTQQFGVSLQYLKDKNQGELIPPVLRFTVTYLREKGLRTEG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LFRRSASVQTVREIQRLYNQGKPVNFDDYGDIHIPAVILKTFLRELPQPLLTFQAYEQI
 LGITCVESLRVTRCRQILRSLPEHNYVVLRYLMGFLHAVSRESIFNKMNSSNLACVF
 GLNLIWPSQGVSSLSALVPLNMFTELLIEYYEKIFSTPEAPGEHGLAPWEQGSRAAPL
 QEAVPRTQATGLTKPTLPPSPLMAARRRLTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ARHGAP8 Rho GTPase activating protein 8 [Homo sapiens (human)]

Official Symbol ARHGAP8

Synonyms ARHGAP8; Rho GTPase activating protein 8; PP610; BPGAP1; rho GTPase-activating protein 8; BCH domain-containing Cdc42GAP-like protein; BNIP-2 and Cdc42GAP homology domain-containing, proline-rich and Cdc42GAP-like protein subtype-1; rho-type GTPase-activating protein 8

Gene ID 23779

mRNA Refseq NM_181335

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Protein Refseq	NP_851852
MIM	609405
UniProt ID	P85298

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