

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

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

## SPECIFICATION

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

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 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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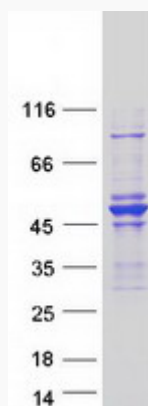
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**Protein Refseq** NP\_851852

**MIM** 609405

**UniProt ID** P85298

**SDS-PAGE**



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