# Recombinant Human ARHGAP8 Protein, His-tagged

**Cat. No.** ARHGAP8-2703H **Lot. No.** (See product label)

## SPECIFICATION

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|---|---|
| **Product Overview** | Recombinant Human ARHGAP8 protein, fused to His-tagged at N-terminus, was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **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. |
| **Form** | 25 mM Tris, pH 8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl. |
| **Molecular Mass** | 53.3 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration** | >50 ug/mL as determined by microplate BCA method |

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## GENE INFORMATION

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| **Gene Name** | ARHGAP8 Rho GTPase activating protein 8 [ Homo sapiens ] |
| **Official Symbol** | ARHGAP8 |
| **Synonyms** | BPGAP1; PP610 |
| **Gene ID** | 23779 |
| **mRNA Refseq** | NM_001017526.1 |
| **Protein Refseq** | NP_001017526 |

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