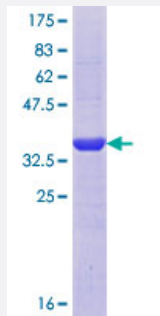


# ARHGEF9 (Human) Recombinant Protein (Q01)

Catalog # H00023229-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human ARHGEF9 partial ORF ( NP_056000.1, 419 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | AFREERKMVQEDEKIGFEISENQKRQAAMTVRKVPKQKGVNSARSVPPSYPPPQDPLNHGQYLVPDGIAQSQVFEFTEPKRSQSPFWQNFSRLTPFKK            |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                         |
| <b>Theoretical MW (kDa)</b>          | 36.52                                                                                                         |
| <b>Interspecies Antigen Sequence</b> | Mouse (98); Rat (98)                                                                                          |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                         |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                             |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                   |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                      |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                               |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                        |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ARHGEF9

|                     |                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">23229</a>                                                                                                                                                                                                                                                        |
| GeneBank Accession# | <a href="#">NM_015185</a>                                                                                                                                                                                                                                                    |
| Protein Accession#  | <a href="#">NP_056000.1</a>                                                                                                                                                                                                                                                  |
| Gene Name           | ARHGEF9                                                                                                                                                                                                                                                                      |
| Gene Alias          | COLLYBISTIN, HPEM-2, KIAA0424, PEM-2, PEM2                                                                                                                                                                                                                                   |
| Gene Description    | Cdc42 guanine nucleotide exchange factor (GEF) 9                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">300429</a> <a href="#">300607</a>                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                    |
| Gene Summary        | ARHGEF9 belongs to a family of Rho-like GTPases that act as molecular switches by cycling from the active GTP-bound state to the inactive GDP-bound state. These proteins are key regulators of the actin cytoskeleton and are involved in cell signaling.[supplied by OMIM] |
| Other Designations  | Cdc42 guanine exchange factor 9 OTTHUMP00000023424 OTTHUMP00000061947 hPEM-2 collybistin                                                                                                                                                                                     |

## Disease

- [Angina Pectoris](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)