

Full-Length

ARHGEF9 (Human) Recombinant Protein (P01)

Catalog # H00023229-P01

Size 50 ug

Specification

Product Description	Human ARHGEF9 full-length ORF (ADR83209.1, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTLLITGDSMSAEAVWDHVTMANRELAFKAGDVIKVLDA SNKDWVWGQIDDEEGWFPASFVRL WVNQEDEV EEGPSDVQNGHLDPNSDCLCLGRPLQNRDQMRANVINEIMSTERHYKHLKDICEGY LKQCRKR RDMFSD EQLKVIFGNIEDYRFQMGFVRDLEKQYNND DPHLSEIGPCFLEHQDGFWIYS EYCNNHLDACMELSKLMKDSRYQHFF EACRL LQQMIDIAIDGFL LTPVQKICKYPLQLAELLKYTAQ DHSDYRYVAAALAVMRNVTQQINERKRRLENIDKIAQWQASVLDWEGEDILDRSSELYTGEMAWI YQPYGRNQQRVFFLFDHQMVLCKKDLIRRDILYYKGRIDMDKYEVDIEDGRDDDFNVSMKNAFK LHNKETEEIHLFFAKKLEEKIRWLRAFREERKMVQEDEKIGFEISENQKRQAAMTVRKVPKQKGV NSARSVPPSYPPPDPLNHGQYLPDGI AQSQVF ETEPKRSQSPFWQNF SRLTPFKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	56.8
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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	23229
GeneBank Accession#	HQ258455.1
Protein Accession#	ADR83209.1
Gene Name	ARHGEF9
Gene Alias	COLLYBISTIN, HPEM-2, KIAA0424, PEM-2, PEM2
Gene Description	Cdc42 guanine nucleotide exchange factor (GEF) 9
Omim ID	300429 300607
Gene Ontology	Hyperlink
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

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- [Coronary Vasospasm](#)
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