

Recombinant Human ARHGEF9 protein, GST-tagged

Cat. No. ARHGEF9-791H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGEF9 full-length ORF (ADR83209.1, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a Rho-like GTPase that switches between the active (GTP-bound) state and inactive (GDP-bound) state to regulate CDC42 and other genes. Defects in this gene are a cause of startle disease with epilepsy (STHEE), also known as hyperekplexia with epilepsy. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]
Molecular Mass	56.8 kDa
AA Sequence	MTLLITGDSIVSAEAVWDHVTMANRELAFKAGDVIKVLDA SNKDWWWGQIDDEEGW FPASFVRLWVNQEDEV EEGPSDVQNGHLDPNSDCLCLGRPLQNRDQMRANVINEI MSTERHYIKHLKDICEGYLKQCRKRRDMFSDEQLKVIFGNIEDIYRFQMGFVRDLEK QYNND DPHLSEIGPCFLEHQDGFWIYSEYCNNHLDACMELSKLMKDSRYQHFFEAC RLLQQMIDIAIDGFLTPVQKICKYPLQLAELLKYTAQDHS DYRYVAAALAVMRNVTQ QINERKRRLENIDKIAQWQASVLDWEGEDILDRSSELIYTGEMAWIYQPYGRNQQRV FFLFDHQMVLCKKDLIRRDILYYKGRIDMDKYEVVDIEDGRDDDFNVSMKNAFKLHN KETEEIHLFFAKKLEEKIRWLRAFREERKMVQEDEKIGFEISENQKRQAAMTVRKVPK

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	QKGVNSARSVPPSYPPPQDPLNHGQYLVPDGIAQSQVFEFTEPKRSQSPFWQNFS RLTPFKK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ARHGEF9 Cdc42 guanine nucleotide exchange factor (GEF) 9 [Homo sapiens]
Official Symbol	ARHGEF9
Synonyms	ARHGEF9; Cdc42 guanine nucleotide exchange factor (GEF) 9; rho guanine nucleotide exchange factor 9; collybistin; KIAA0424; PEM 2; PEM-2 homolog; hPEM-2 collybistin; rac/Cdc42 guanine nucleotide exchange factor 9; PEM2; EIEE8; PEM-2; HPEM-2; COLLYBISTIN;
Gene ID	23229
mRNA Refseq	NM_001173479
Protein Refseq	NP_001166950
MIM	300429

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