

Recombinant Full Length Human ARHGEF9 Protein, GST-tagged

Cat. No. ARHGEF9-1200HF **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	In Vitro Cell Free System
ProteinLength	516 amino acids
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	MTLLITGDSI VSAEAVWDHV TMANRELAFK AGDVIKVLDA SNKDWWWGQI DDEEGWFPAS FVRLWVNQED EVEEGPSDVQ NGHLDPNSDC LCLGRPLQNR DQMRANVINE IMSTERHYIK HLKDICEGYL KQCRKRDMF SDEQLKVIFG NIEDIYRFQM GFVRDLEKQY NNDDPHLSEI GPCFLEHQDG FWIYSEYCNN HLDACMELSK LMKDSRYQHF FEACRLLQQM IDIAIDGFL TPVQKICKYP LQLAELLKYT AQDHSDYRYV AAALAVMRNV TQQINERKRR LENIDKIAQW

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QASVLDWEGE DILDRSSELI YTGEMAWIQ PYGRNQQRVF FLFDHQMVLG
 KKDLIRRDIL YYKGRIDMDK YEVDIEDGR DDDFNVSMKN AFKLHNKETE
 EIHLFFAKKL EEKIRWLRAF REERKMVQED EKIGFEISEN QKRQAAMTVR
 KVPKQKGVNS ARSVPPSYPP PQDPLNHGQY LVPDGLAQSQ VFEFTEPKRS
 QSPFWQNFSR LTPFKK

Applications

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

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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