

# Recombinant Full Length Human ARHGEF9 Protein, GST-tagged

**Cat. No.** ARHGEF9-1200HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ARHGEF9 full-length ORF ( ADR83209.1, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	516 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	56.8 kDa
<b>AA Sequence</b>	MTLLITGDSI VSAEAVWDHV TMANRELAFK AGDVIKVLDA SNKDWWWGQI DDEEGWFPAS FVRLWVNQED EVEEGPSDVQ NGHLDPNSDC LCLGRPLQNR DQMRANVINE IMSTERHYIK HLKDICEGYL KQCRKRRDMF SDEQLKVIFG NIEDIYRFQM GFVRDLEKQY NNDDPHLSEI GPCFLEHQDG FWIYSEYCNN HLDACMELSK LMKDSRYQHF FEACRLLQQM IDIAIDGFL TPVQKICKYP LQLAELLKYT AQDHSDYRYV AAALAVMRNV TQQINERKRR LENIDKIAQW

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QASVLDWEGE DILDRSSELI YTGEMAWIYQ PYGRNQQRVF FLFDHQMVLC  
 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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