Recombinant Full Length Human ARHGEF4 Protein, GST-tagged

Cat. No. ARHGEF4-1237HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGEF4 full-length ORF (AAI60189.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	690 amino acids
Description	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The protein encoded by this gene may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jun 2013]
Molecular Mass	75.9 kDa
AA Sequence	MPWEEPAGEK PSCSHSQKAF HMEPAQKPCF TTDMVTWALL CISAETVRGE APSQPRGIPH RSPVSVDDLW LEKTQRKKLQ KQAHVERRLH IGAVHKDGVK CWRKTIITSP ESLNLPRRSH PLSQSAPTGL NHMGWPEHTP GTAMPDGALD TAVCADEVGS EEDLYDDLHS SSHHYSHPGG GGEQLAINEL ISDGSVVCAE ALWDHVTMDD QELGFKAGDV IEVMDATNRE WWWGRVADGE GWFPASFVRL RVNQDEPADD DAPLAGNSGA EDGGAEAQSS KDQMRTNVIN EILSTERDYI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KHLRDICEGY VRQCRKRADM FSEEQLRTIF GNIEDIYRCQ KAFVKALEQR FNRERPHLSE LGACFLEHQA DFQIYSEYCN NHPNACVELS RLTKLSKYVY FFEACRLLQK MIDISLDGFL LTPVQKICKY PLQLAELLKY THPQHRDFKD VEAALHAMKN VAQLINERKR RLENIDKIAQ WQSSIEDWEG EDLLVRSSEL IYSGELTRVT QPQAKSQQRM FFLFDHQLIY CKKDLLRRDV LYYKGRLDMD GLEVVDLEDG KDRDLHVSIK NAFRLHRGAT GDSHLLCTRK PEQKQRWLKA FAREREQVQL DQETGFSITE LQRKQAMLNA SKQQVTGKPK AVGRPCYLTR QKHPALPSNR PQQQVLVLAE PRRKPSTFWH SISRLAPFRK
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	ARHGEF4 Rho guanine nucleotide exchange factor (GEF) 4 [Homo sapiens]
Official Symbol	ARHGEF4
Synonyms	ARHGEF4; Rho guanine nucleotide exchange factor (GEF) 4; rho guanine nucleotide exchange factor 4; APC stimulated guanine nucleotide exchange factor; ASEF; KIAA1112; STM6; APC-stimulated guanine nucleotide exchange factor 1; GEF4; ASEF1
Gene ID	50649
mRNA Refseq	NM_015320

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Protein Refseq	NP_056135
MIM	605216
UniProt ID	Q9NR80

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