

Recombinant Full Length Human ARHGEF2 Protein, GST-tagged

Cat. No. ARHGEF2-1103HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGEF2 full-length ORF (AAH20567, 1 a.a. - 959 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	959 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 encoded protein may form complex with G proteins and stimulate rho-dependent signals. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Jun 2009]
Molecular Mass	131.12 kDa
AA Sequence	MKEAKDARYT NGHLFTTISV SGMTMCYACN KSITAKEALI CPTCNVTIHN RCKDTLANCT KVKQKQKQKAA LLKNNTALQS VSLRSKTTIR ERPSSAIYPS DSFRQSLLGS RRGRSSLSLA KSVSTTNIAG HFNDESPLGL RRILSQSTDS LNMRNRTL SV ESLIDEAEVI YSELM SDFEM DEKDFAADSW SLAVDSSFLQ QHKKEVMKQQ DVIYELIQTE LHHVRTLKIM TRLFRTGMLE ELHLEPGVVQ GLFPCVDELS DIHTRFLSQL LERRRQALCP GSTRNFVIHR LGDLLISQFS GPSAEQMCKT YSEFCSRHSK ALKLYKELYA RDKRFQQFIR KVTRPAVLKR

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HGVQECILLV TQRITKYPLL ISRILQSHG IEEERQDLTT ALGLVKELLS
 NVDEGIYQLE KGARLQEIYN RMDPRAQTPV PGKGPFGRREE LLRRKLIHDG
 CLLWKTATGR FKDVLLVLLMT DVLVFLQEKD QKYIFPTLDK PSVVSLQNLI
 VRDIANQKEG MFLISAAPPE MYEVHTASRD DRSTWIRVIQ QSVRTCPSRE
 DFPLIETED EAYLRRIKMEL QQKDRALEVEL LREKVGLFAE MTHFQAEEDG
 GSGMALPTLP RGLFRSESL SPRGERLLQD AIREVEGLKD LLVGPGVELL
 LTPREPALPL EPDSGGNTSP GVTANGEART FNGSIELCRA DSDSSQRDRN
 GNQLRSPQEE ALQRLVNLYG LLHGLQAAVA QQDTLMEARF PEGPERREKL
 CRANSRDGEA GRAGAAPVAP EKQATELALL QRQHALLQEE LRRCRRLGEE
 RATEAGSLEA RLRESEQARA LLEREAEEAR RQLAALGQTE PLPAEAPWAR
 RPVDPRRRSL PAGDALYLSF NPPQPSRGTD RLDLPVTTRS VHRNFEDRER
 QELGSPEERL QDSSDPDTGS EEEGSSRLSP PHSPRDFTRM QDIPEETESR
 DGEAVASES

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

ARHGEF2 Rho/Rac guanine nucleotide exchange factor (GEF) 2 [Homo sapiens]

Official Symbol

ARHGEF2

Synonyms

ARHGEF2; Rho/Rac guanine nucleotide exchange factor (GEF) 2; rho/rac guanine nucleotide exchange factor (GEF) 2; rho guanine nucleotide exchange factor 2; GEF H1; KIAA0651; LFP40; P40; microtubule-regulated Rho-GEF; guanine nucleotide

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exchange factor H1; proliferating cell nucleolar antigen p40; Rho/Rac guanine nucleotide exchange factor 2; GEF; GEFH1; GEF-H1; FLJ45440; DKFZp547L106; DKFZp547P1516

Gene ID [9181](#)

mRNA Refseq [NM_001162383](#)

Protein Refseq [NP_001155855](#)

MIM [607560](#)

UniProt ID [Q92974](#)

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