

Recombinant Full Length Human ARHGEF1 Protein, GST-tagged

Cat. No. ARHGEF1-1092HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGEF1 full-length ORF (NP_004697.2, 1 a.a. - 912 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	912 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. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]
Molecular Mass	128.8 kDa
AA Sequence	MEDFARGAAS PGPSRPGLVP VSIIGAEDD FENELETNSE EQNSQFQSLE QVKRRPAHLM ALLQHVALQF EPGPLLCLH ADMLGSLGPK EAKKAFLDFY HSFLEKTAVL RVPVPPNVAE ELDRTRADLI SEDVQRRFVQ EVVQSQQVAV GRQLEDFRSK RLMGMTPEWQ ELAQLEAWVG RDRASYEARE RHVAERLLMH LEEMQHTIST DEEKSAAVVN AIGLYMRHLG VRTKSGDKKS GRNFFRKKVM GNRRSDEPAK TTKGLSSILD AARWNRGEPQ VPDFRHLKAE VDAEKPGATD

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RKGGVGMPSR DRNIGAPGQD TPGVSLHPLS LDSPDREPGA DAPLELGDS
 PQGPMSLESL APPESTDEGA ETESPEPGDE GEPGRSGLEL EPEPPGWRE
 LVPPDTLHSL PKSQVQRQEV ISELLVTEAA HVRMLRVLHD LFFQPMAECL
 FFPLEELQNI FPSLDELIEV HSLFLDRLMK RRQESGYLIE EIGDVLLARF
 DGAEGSWFQK ISSRFCSRQS FALEQLKAKQ RKDPRFCAFV QEAESRPRCR
 RLQLKDMIPT EMQRLTKYPL LLQSIGQNT EPTEREKVEL AAECREILH
 HVNQAVRDME DLLRLKDYQR RDLShLRQS SDPMLSEFKN LDITKKKLHV
 EGPLTWRVTK DKAVEVHVLL LDDLLLLLQR QDERLLKSH SRTLTPPDG
 KTMLRPVLRL TSAMTREVAT DHKAFYVLFT WDQEAQIYEL VAQTVSERKN
 WCALITETAG SLKVPAPASR PKPRSPSSST REPLSSSEN GNGGRETSPA
 DARTERILSD LLPFCRPGPE GQLAATALRK VLSLKQLLFP AEEDNGAGPP
 RDGDGVPGGG PLSPARTQEI QENLLSLEET MKQLEEEEEE FCRLRPLLSQ
 LGGNSVPQPG CT

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

ARHGEF1 Rho guanine nucleotide exchange factor (GEF) 1 [Homo sapiens]

Official Symbol

ARHGEF1

Synonyms

ARHGEF1; Rho guanine nucleotide exchange factor (GEF) 1; rho guanine nucleotide exchange factor 1; LBCL2; P115 RHOGEF; SUB1.5; p115RhoGEF; Lsc homolog; 115-kD protein; 115 kDa guanine nucleotide exchange factor; LSC; GEF1; P115-

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RHOGF	
Gene ID	9138
mRNA Refseq	NM_004706
Protein Refseq	NP_004697
MIM	601855
UniProt ID	Q92888

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