

Recombinant Human ARHGEF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGEF1-6362H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARHGEF1 MS Standard C13 and N15-labeled recombinant protein (NP_945353) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	104.1 kDa
AA Sequence	MASLSTWSSPAEPREMEDFARGAASPGPSRPGLVPSIIGAEDEDFENELETNSEE QNSQFQSLEQVKRRPAHLMALLQHVALQFEPGPLLCCCLHADMLGSLGPKEAKKAFL DFYHSFLEKTAVLRVPVPPNVAFELDRTRADLISEDVQRRFVQEVVQSQQVAVGRQ LEDFRSKRLMGMPWEQELAQLEAWVGRDRASYEARERHVAERLLMHLEEMQHTI STDEEKSAAVVNAIGLYMRHLGVRTKSGDKKSGRNFFRKKVMGNRRSDEPAKTKK GLSSILDAARWNRGEPQVPDFRHLKAEVDAEKPGATDRKGGVGMPSRDRNIGAPG QDTPGVSLHPLSLDSPDREPGADAPLELGDSPPQGPMSLES LAPPESTDEGAETES PEPGDEGEPGRSGLELEPEEPPGWRELVPDTHSLPKSQVKRQEVISSELLVTEAA

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HVRMLRVLHDLFFQPMACLFPPLEELQNIFPSLDELIEVHSLFLDRLMKRRQESGYL
 IEEIGDVLLARFDGAEGSWFQKISSRFCSRQSFALQKAKQRKDPRFCAFVQEAES
 RPRCRRRLQKDMIPTMQRLTKYPLLLQSIGQNTTEPTEREKVELAAECCREILHHV
 NQAVRDMEDLLRLKDYQRRDLSHLRQSSDPMLSEFKNLDITKKKLVHEGPLTWRV
 TKDKAVEVHVLLDDLLLLLQRQDERLLKSHSRTLTPDPGKTMLRPVLRRLTSAMTR
 EVATDHKAFYVLTWDQEAQIYELVAQTVSERKNWCALITETAGSLKVPAPASRPKP
 RPSPSSTREPLLSSSENGNGGRETSPADARTERILSDLLPFCRPGPEGQLAATALRK
 VLSLKQLLFPAAEDNGAGPPRDGDGVPGGGPLSPARTQEIQENLLSLEETMKQLEE
 LEEEFCLRLRPLLSQLGGNSVPQPGCTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ARHGEF1 Rho guanine nucleotide exchange factor 1 [Homo sapiens (human)]

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-RHOGEF;

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Gene ID	9138
mRNA Refseq	NM_199002
Protein Refseq	NP_945353
MIM	601855
UniProt ID	Q92888
SDS-PAGE	