

Product datasheet for TP321180

ARHGEF1 (NM_199002) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho guanine nucleotide exchange factor (GEF) 1 (ARHGEF1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221180 protein sequence Red =Cloning site Green =Tags(s)

MASLSTWSSPAEPREMEDFARGAASPGPSRPGLVPSIIGAEDDFENELETNSEEQNSQFQSLEQVKRR
PAHLMALLQHVALQFEPGPLLCLHADMLGSLGPKAKKAFDFYHSFLEKTAVLRVPPNVAFELDRT
RADLISEDVQRRFVQEVVQSQVAVGRQLEDFRSKRLMGMTPEQELAQLEAWVGRDRASYEARERHVAE
RLLMHLEEMQHTISTDEEKSAAVVNAIGLYMRHLGVRTKSGDKKSGRNFFRKKVMGNRRSDEPAKTKKGL
SSILDAARWNRGEPQVPDFRHLKAEVDAEKPGATDRKGGVGMPSRDRNIGAPGQDTPGVSLHPLSLDSPD
REPGADAPLELGDSSPQGPMSLES LAPPESTDEGAETESPEPGDEGEPGRSGLELEPEEPPGWRELVPPD
TLHSLPKSQVKRQEVISELLVTEAAHVRLRVLHDLFFQPMACECLFFLEELQNIFFSLDELIEVHSLFL
DRLMKRRQESGYLIEEIGDVLLARFDGAEGSWFQKISSRQSFQFALEQLKAKQRKDPFCFAFVQEAES
RPRCRRQLKDMIPTMQRLTKYPLLLQSIGQNTTEPTEREKVELAAECCREILHHVNQAVRDMEDLLRL
KDYQRRDLSHLRQSSDPMLSEFKNLDITKKKLVHEGPLTWRVTKDKAVEVHVLDDLLLLLRQDERL
LLKSHSRTLTPDPGKTMLRPVLRRLTSAMTREVATDHKAFYVLTWDQEAQIYELVAQTVSERKNWCALI
TETAGSLKVPAPASRPKPRPSPSSTREPLLSSSENGNGGRETSPADARTERILSDLLPFCRPGPEGQLAA
TALRKVLSLKQLLFPAAEDNGAGPPRDGDGVPGGGPLSPARTQEIQENLLSLEETMKQLEEEEEEFCRLR
PLLSQLGGNSVPQPGCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

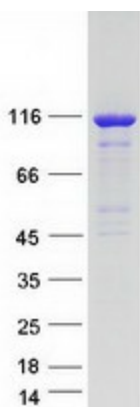
Tag:	C-Myc/DDK
Predicted MW:	103.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_945353
Locus ID:	9138
UniProt ID:	Q92888
RefSeq Size:	3261
Cytogenetics:	19q13.2
RefSeq ORF:	2781
Synonyms:	GEF1; IMD62; LBCL2; LSC; P115-RHOGEF; SUB1.5
Summary:	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]
Protein Pathways:	Regulation of actin cytoskeleton, Vascular smooth muscle contraction

Product images:



Coomassie blue staining of purified ARHGEF1 protein (Cat# TP321180). The protein was produced from HEK293T cells transfected with ARHGEF1 cDNA clone (Cat# [RC221180]) using MegaTran 2.0 (Cat# [TT210002]).