

Product datasheet for TP318798

ARHGEF7 (NM_145735) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho guanine nucleotide exchange factor (GEF) 7 (ARHGEF7), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218798 representing NM_145735 Red=Cloning site Green=Tags(s)

MNSAEQTVTWLITLGVLESPKKTISDPEGFLQASLKDGWVLCRLLERLLPGTIEKVYPEPRSESECLSNI
REFLRGCGASLRLETFDANDLYQGQNFNKVLSLVTLNKVTADIGLSDSVCARPSSHRIKSFDSLGSQS
LHTRTSKLFQGGYRSLDMDNSNNQLVVRAKFNQQTNEDELSFSKGDVIHVTRVEEGWWEGLNVRTG
WFPSNYVREVKASEKPVSPKSGTLKSPKGFDTTAINKSYYNVVLQNILETENEYSKELQTVLSTYLRPL
QTSEKLSSANISYLMGNLEEICSFQQMLVQSLEECTKLPEAQQRVGGCFLNLMPQMKTLYLYCANHPSA
VNVLTEHSEELGEFMETKGASSPGILVLTGSLKPFMRLDKYPTLLKELERHMEDYHTDRQDIQKSMAAF
KNLSAQCCQEVKRKRKELELQILTEAIRNWEGDDIKTLGNVTYMSQVLIQCAGSEEKNERYLLFPNVLLML
SASPRMSGFIYQGKLPPTGMTITKLEDSENHRNAFEISGSMIERILVSCNNQQDLQEWVEHLQKQTKVTS
VGNPTIKPHSVPSHTLPSHPVTPSSKHADSKPAPLTPAYHTLPHPSHHGTPHTTINWGPLEPPKTPKPWS
LSCLRPAPPLRPSAALCYKEDLSKSPKTMKLLPKRKPERKPSDEEFASRKSTAALLEEDAQILKVIEAYC
TSAKTRQTLNSTWQGTDLMHNVHLADDDQPSLDSLGRSSLSRLEPSDLSSESDYDSIWTAAHSYRMGSTS
RKSCCSYISHQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

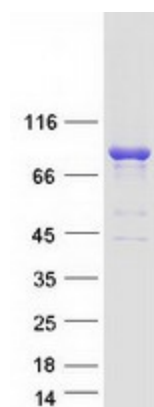
Tag:	C-Myc/DDK
Predicted MW:	87.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_663788
Locus ID:	8874
UniProt ID:	Q14155 , Q5W9H1
RefSeq Size:	5304
Cytogenetics:	13q34
RefSeq ORF:	2346
Synonyms:	BETA-PIX; COOL-1; COOL1; Nbla10314; P50; P50BP; P85; P85COOL1; P85SPR; PAK3; PIXB
Summary:	This gene encodes a protein that belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It forms a complex with the small GTP binding protein Rac1 and recruits Rac1 to membrane ruffles and to focal adhesions. Multiple alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Mar 2016]
Protein Pathways:	Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified ARHGEF7 protein (Cat# TP318798). The protein was produced from HEK293T cells transfected with ARHGEF7 cDNA clone (Cat# [RC218798]) using MegaTran 2.0 (Cat# [TT210002]).