

Product datasheet for TP523397

Arhgef7 (NM_017402) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rho guanine nucleotide exchange factor (GEF7) (Arhgef7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223397 representing NM_017402 Red=Cloning site Green=Tags(s)

MTDNTNSQLVRAKFNFQQTNEDELSFSKGDVIHVTRVEEGWWEGTHNGRTGWFPSNYVREIKPSEKPV
SPKSGTLKSPPKGFDTTAINKSYYNVVLQNILETEHEYSKELQSVLSTYLRPLQTSKLDSSANTSYLMGN
LEEISSFQQVLVQSLEECTKSPEAQQRVGGCFLSLMPQMRTLYLAYCANHPSAVSVLTEHSEDLGEFMET
KGASSPGILVLTGLSKPFMRLDKYPTLLKELERHMEDYHPDRQDIQKSMATAFNLSAQCEVRKRKELE
LQILTEPIRSWEGDDIKTLGSVTYMSQVTIQCAGSEEKNERYLLLFPNLLMLSASPRMSGFIYQGKLP
TGMTITKLESENHRNAFEISGSMIERILVSCTSQQDLHEWVEHLQKQTKVTSVSNPTIKPHSVPSHTLP
SHPLTPSSKHADSKPVALTPAYHTLPHPSHHGTPHTTISWGPLEPPKTPKPSWLSCLRPAAPLRPSAALC
YKEDLSKSPKTMKLLPKRKPERKPSDEEFAVRKSTAALEEDAQILKVEAYCTSAKTRQTLNSSSRKES
APQVLLPEEEKIIVEETKSNQTVIEEKSLVDTVYALKDEVQELRQDNKKMKKSLEEEQRARKDLEKLV
KVLKNMNDPAWDETNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	73.5 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_059098
Locus ID:	54126
UniProt ID:	Q9ES28 , A0A0R4J0X8
RefSeq Size:	4488
Cytogenetics:	8 A1.1
RefSeq ORF:	1938
Synonyms:	betaPix; betaPix-b; betaPix-c; Cool; cool-1; mKIAA0142; p85Cool1; p85SPR; Pak3bp; PIX
Summary:	Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. May function as a positive regulator of apoptosis. Functions in cell migration, attachment and cell spreading. Promotes targeting of RAC1 to focal adhesions. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons (By similarity).[UniProtKB/Swiss-Prot Function]