

Product datasheet for TP510303

Arhgap17 (NM_001122643) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rho GTPase activating protein 17 (Arhgap17), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210303 protein sequence Red =Cloning site Green =Tags(s)
	<p>MKKQFNRMKQLANQTVGRAEKTEVLSEDLLQIERRLDTVRSMCHHSHKRLIACFQGQHGTDERRHKKLP LTALANMQEASAELEESLLGKMLETCGDAENQLALELSQHEVFVEKEIMDPLYGIAEVEIPNIQKQRKQ LARLVLDWDSVRARWNQAHKSSGTFNQGLPSKIDTLKEEMDEAGNKVEQCKDQLAADMYNFMAKEGEYGG FFVTLLEAQADYHRKALAVLEKALPEMRAHQDKWAEKPAFGTPLEEHLKRSGREIALPIEACVMLLLETG MKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFSLYEEWTQVASV QDQDKKLQYLWTTCCQLPPQNFVNFYLIKFLAKLAQTSVNMTPSNIAIVLGNLLWAKQEGTLAEIA AATSVHVAVIEPIIQHADWFFPGEVEFNVSEAFVPLATPNSNHSSHTGNDSDSGTLERKRPASMAVMEG DLVKKESPPKPKDSVSAAVPAAGRNSNQMTTPVNAQATGGNSHQLSVSTPHSAAGPSPHTLRRAVKKPAP APPKPGNLPPGHPGGQSSPGTGTSPKPSARSPSPQQQQQQQQQQQQQTPGMRRCSSSLPPIQAPSHPP PQPPTQRLGEGQPEPGPTPPQTPTPPSTPPLAKQNPQSSETTQLHGTLPRPRPVKPRNRPSVPPPPHP PGHTHTVDGGLTSSVPTASRIVTDV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	79.4 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.



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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_001116115
Locus ID:	70497
UniProt ID:	Q3UIA2
RefSeq Size:	3318
Cytogenetics:	7 F3
RefSeq ORF:	2175
Synonyms:	5730403H17Rik; Nadrin; Nadrin2; Rich1; Wbp15
Summary:	<p>Rho GTPase-activating protein involved in the maintenance of tight junction by regulating the activity of CDC42, thereby playing a central role in apical polarity of epithelial cells. Specifically acts as a GTPase activator for the CDC42 GTPase by converting it to an inactive GDP-bound state. The complex formed with AMOT acts by regulating the uptake of polarity proteins at tight junctions, possibly by deciding whether tight junction transmembrane proteins are recycled back to the plasma membrane or sent elsewhere. Participates in the Ca²⁺-dependent regulation of exocytosis, possibly by catalyzing GTPase activity of Rho family proteins and by inducing the reorganization of the cortical actin filaments. Acts as a GTPase activator in vitro for RAC1 (By similarity).[UniProtKB/Swiss-Prot Function]</p>