

Recombinant Mouse Arhgap17 Protein, Myc/DDK-tagged

Cat. No. Arhgap17-1680M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rho GTPase activating protein 17 (Arhgap17), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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 Ca ²⁺ -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.
Molecular Mass	79.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Arhgap17 Rho GTPase activating protein 17 [Mus musculus (house mouse)]
Official Symbol	Arhgap17
Synonyms	Arhgap17; Rho GTPase activating protein 17; N; Na; Ric; WBP1; Rich1; Wbp15; Nadrin; Nadrin2; 5730403H17Rik; rho GTPase-activating protein 17; WW domain-binding protein 15; neuron-associated developmentally regulated protein; rho-type GTPase-activating protein 17
Gene ID	70497
mRNA Refseq	NM_001122643
Protein Refseq	NP_001116115
UniProt ID	Q3UIA2