

Recombinant Mouse Arhgap24 Protein, Myc/DDK-tagged

Cat. No. Arhgap24-1682M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rho GTPase activating protein 24 (Arhgap24), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Rho GTPase-activating protein involved in cell polarity, cell morphology and cytoskeletal organization. Acts as a GTPase activator for the Rac-type GTPase by converting it to an inactive GDP-bound state. Controls actin remodeling by inactivating Rac downstream of Rho leading to suppress leading edge protrusion and promotes cell retraction to achieve cellular polarity. Able to suppress RAC1 and CDC42 activity in vitro. Overexpression induces cell rounding with partial or complete disruption of actin stress fibers and formation of membrane ruffles, lamellipodia, and filopodia. Isoform 2 is a vascular cell-specific GAP involved in modulation of angiogenesis.
Molecular Mass	73.3 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.
Storage	Store at -80 centigrade after receiving vials.

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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 [Arhgap24 Rho GTPase activating protein 24 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Arhgap24](#)

Synonyms ARHGAP24; Rho GTPase activating protein 24; rho GTPase-activating protein 24; rho-type GTPase-activating protein 24; 0610025G21Rik; MGC38749

Gene ID [231532](#)

mRNA Refseq [NM_146161](#)

Protein Refseq [NP_666273](#)

UniProt ID [Q8C4V1](#)

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