

Recombinant Mouse Arhgap22 Protein, Myc/DDK-tagged

Cat. No. Arhgap22-1681M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rho GTPase activating protein 22 (cDNA clone MGC:47316 IMAGE:4237331), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1-dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter.
Molecular Mass	55.1 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Arhgap22 Rho GTPase activating protein 22 [Mus musculus (house mouse)]
Official Symbol	Arhgap22
Synonyms	Arhgap22; Rho GTPase activating protein 22; RHO; RHOGAP2; p68RacGAP; B230341L19Rik; rho GTPase-activating protein 22; rho-type GTPase-activating protein 22
Gene ID	239027
mRNA Refseq	NM_153800
Protein Refseq	NP_722495
UniProt ID	Q8BL80

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