

Recombinant Mouse Arhgef7 Protein, Myc/DDK-tagged

Cat. No. Arhgef7-1696M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rho guanine nucleotide exchange factor (GEF7) (Arhgef7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	73.5 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Arhgef7 Rho guanine nucleotide exchange factor (GEF7) [Mus musculus (house mouse)]
Official Symbol	Arhgef7
Synonyms	ARHGEF7; Rho guanine nucleotide exchange factor (GEF7); rho guanine nucleotide exchange factor 7; beta-Pix; Pak3 binding protein; Pak interacting exchange factor; PAK-interacting exchange factor beta; PIX; Cool; Pak3bp; cool-1; p85SPR; betaPix; p85Cool1; betaPix-b; betaPix-c; mKIAA0142
Gene ID	54126
mRNA Refseq	NM_017402
Protein Refseq	NP_059098
UniProt ID	Q9ES28

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