

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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA