

Recombinant Mouse Arhgdia Protein, Myc/DDK-tagged

Cat. No. Arhgdia-1689M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rho GDP dissociation inhibitor (GDI) alpha (Arhgdia), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Controls Rho proteins homeostasis. Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. Retains Rho proteins such as CDC42, RAC1 and RHOA in an inactive cytosolic pool, regulating their stability and protecting them from degradation. Actively involved in the recycling and distribution of activated Rho GTPases in the cell, mediates extraction from membranes of both inactive and activated molecules due its exceptionally high affinity for prenylated forms. Through the modulation of Rho proteins, may play a role in cell motility regulation. In glioma cells, inhibits cell migration and invasion by mediating the signals of SEMA5A and PLXNB3 that lead to inactivation of RAC1.
Molecular Mass	23.4 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.

 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

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	Arhgdia Rho GDP dissociation inhibitor (GDI) alpha [Mus musculus (house mouse)]
Official Symbol	Arhgdia
Synonyms	ARHGDIA; Rho GDP dissociation inhibitor (GDI) alpha; rho GDP-dissociation inhibitor 1; rho GDI 1; Rho GDI alpha; rho-GDI alpha; Gdi-1; RhoDGI; Rho-GDI; RhoGDI-1; MGC7904; 5330430M07Rik; MGC101921
Gene ID	192662
mRNA Refseq	NM_133796
Protein Refseq	NP_598557
UniProt ID	Q99PT1

 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