

## Recombinant Mouse Arhgdia Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length Rho GDP dissociation inhibitor (GDI) alpha (Arhgdia), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	23.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Arhgdia Rho GDP dissociation inhibitor (GDI) alpha [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Arhgdia
<b>Synonyms</b>	ARHGDIS; 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
<b>Gene ID</b>	192662
<b>mRNA Refseq</b>	NM_133796
<b>Protein Refseq</b>	NP_598557
<b>UniProt ID</b>	Q99PT1

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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