Rho GDP-Dissociation Inhibitor 2 (ARHGDIB) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rho GDP-dissociation inhibitor 2 (Arhgdib), Recombinant Protein
Full Product Name	Recombinant Mouse Rho GDP-dissociation inhibitor 2 (Arhgdib)
Product Gene Name	Arhgdib recombinant protein
Product Synonym Gene Name	Arhgdib
Sequence	TEKDAQPQLE EADDDLDSKL NYKPPPQKSL KELQEMDKDD ESLTKYKKTL LGDVPVVADP TVPNVTVTRL SLVCDSAPGP ITMDLTGDLE ALKKDTFVLK EGIEYRVKIN FKVNKDIVSG LKYVQHTYRT GMRVDKATFM VGSYGPRPEE YEFLTPVEEA PKGMLARGTY HNKSFFTDDD KQDHLTWEWN LAIKKDWTE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	22,851 Da
Sequence Positions	2-200, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q61599
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Arhgdib recombinant protein	MBS1349677 is a recombinant protein targeting Arhgdib. Also known as Recombinant Mouse Rho GDP-dissociation inhibitor 2 (Arhgdib). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Arhgdib recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Arhgdib. It may not necessarily be applicable to this product.

NCBI GI #	670357719
NCBI GeneID	11857
NCBI Accession #	NP_001288230.1
UniProt Primary Accession #	Q61599
UniProt Secondary Accession #	Q3TEB3
UniProt Related Accession #	Q61599

GenBank Nucleotide #	NM_001301301.1
NCBI Official Full Name	rho GDP-dissociation inhibitor 2 isoform 1
NCBI Official Synonym Full Names	Rho, GDP dissociation inhibitor (GDI) beta
NCBI Official Symbol	Arhgdib
NCBI Official Synonym Symbols	D4; Gdid4; Ly-GDI
UniProt Protein Name	Rho GDP-dissociation inhibitor 2
UniProt Synonym Protein Names	D4; Rho-GDI beta
Protein Family	Rho GDP-dissociation inhibitor
UniProt Gene Name	Arhgdib
UniProt Synonym Gene Names	Gdid4; Rho GDI 2
NCBI Protein Information	rho GDP-dissociation inhibitor 2
NCBI Summary for Arhgdib	The protein encoded by this gene is a member of the Rho guanine nucleotide dissociation inhibitor (GDI) family. This gene is expressed at high levels in hematopoietic cells. This protein is cytosolic, and dissociation of Rho from this protein is required for membrane association and activation of Rho by Guanine Nucleotide Exchange Factors (GEFs). C-terminal truncations of this gene product have been reported to promote metastasis. Multiple transcript variants and protein isoforms exist. [provided by RefSeq, Aug 2014]
UniProt Comments for Arhgdib	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. Regulates reorganization of the actin cytoskeleton mediated by Rho family members.
Research Articles on Arhgdib	**1.** Ly-GDI is a critical regulator of inflammatory injury after deposition of IgG immune complexes and that it negatively regulates the lung NF-kappaB activity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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