9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ARHGDIB Human

Rho GDP Dissociation Inhibitor (GDI) Beta Human Recombinant
RCP0101

Product Overview

Name	ARHGDIB Human
Description	
Rho GDP Dissociation Inhibitor (GDI) Beta Human Recombinant	
Accession (Primary)	P52566
Synonyms	
Rho GDP dissociation inhibitor (GDI) beta, Rho GDI 2, Rho-GDI beta, GDIA2, GDID4, Ly-GDI, RAP1GN1.	
Introduction	
Members of the Rho (or ARH) protein family and other Ras-related small GTP-binding proteins are involved in various cellular procedures, such as cell cytoskeletal organization, secretion, proliferation, and signaling. The GTPBPs are active only in the GTP-bound state. At least 3 types of proteins firmly regulate cycling between the GTP-bound and GDP-bound states: GDP-dissociation inhibitors (GDIs), GTPase-activating proteins (GAPs) and guanine nucleotide-releasing factors (GRFs). ARHGDIB and the other GDIs lower the level of GDP dissociation from Ras-like GTPases.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ARHGDIB solution (1mg/1ml) contains phosphate-buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSH MTE KAPEPHVEED DDDELDSKLN YKPPPQKSLK ELQEMDKDDE SLIKYKKTLL	

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GDGPVVTDPK APNVVVTRLT LVCESAPGPI TMDLTGDLEA LKKETIVLKE GSEYRVKIHF KVNRDIVSGL KYVQHTYRTG VKVDKATFMV GSYGPRPEEY EFLTPVEEAP KGMLARGTYH NKSFFTDDDK QDHLSWEWNL SIKKEWTE

Precautions

ARHGDIB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P52566)