

AR50295PU-S

Human ARHGDIB / D4-GDI (1-201, His-tag) - Purified

Alternate names:	GDIA2, GDID4, Ly-GDI, RAP1GN1, Rho GDI 2, Rho GDP-dissociation inhibitor 2, Rho-GDI beta, RhoGDI2
Quantity:	10 µg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Members of the Rho (or ARH) protein family and other Ras-related small GTP-binding proteins are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases.
Uniprot ID:	P52566
NCBI:	NP_001166
GeneID:	397
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Phosphate -buffered Saline(pH 7.4) containing 10% glycerol
Description:	Recombinant human ARHGDIB protein, fused to GST-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMTE KAPEPHVEED DDDELD SKLN YKPPPQKSLK ELQEMDKDDE SLIKYKKTLL GDGPVVTDPK APNVVVTRLT LVCESAPGPI TMDLTGDLEA LKKETIVLKE GSEYRVKIH F KVN RDIVSGL KYVQHTYRTG VKVDKATFMV GSYGPRPEEY EFLTPVEEAP KGMLARGTYH NKSFFTDDDK QDHLSWEWNL SIKKEWTE Molecular weight: 49.4 kDa (428aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Skalnikova,H. et al. (2011) J. Proteome Res. 10 (2), 404-415 Mehta,P. et al. (2011) PLoS ONE 6 (6), E21175

Pictures:

