

Product information

ARHGDIB, 1-201aa

Human, GST-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1470

Full name: Rho GDP-dissociation inhibitor 2

NCBI Accession No.: NP_001166

Synonyms: D4, GDIA2, GDID4, Ly-GDI, LYGDI, RAP1GN1; RhoGDI2

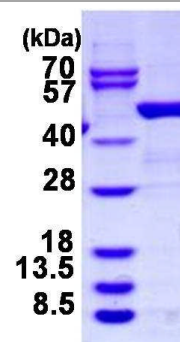
Description: Members of the Rho (or ARH) protein family and other Ras-related small GTP-binding proteins are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 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. Recombinant human ARHGDIB protein, fused to GST-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In phosphate-buffered Saline(pH 7.4) containing 10% glycerol

Molecular Weight: 49.4 kDa (428aa)

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA
 EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFSLKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK
 KRIEAIPQID KYLKSSKYIA WPLQGQWQATF GGDHPPKSD LVPRGSHMTE KAPEPHVEED DDELD SKLN YKPPPQKSLK ELQEMDKDDE
 SLIKYKKTLL GDGPVVTDPK APNVVVTRLT LVGESAPGPI TMDLTGDLEA LKKETIVLKE GSEYRVKIH F KVN RDIVSGL KYVQHTYRTG
 VKVDKATFMV GSYGPRPEEY EFLTPVEEAP KGMLARGTYH NKSFFTDDDK QDHLSWEWNL SIKKEWTE

General references:

Skalnikova, H. *et al.* (2011) *J. Proteome Res.* 10 (2), 404-415

Mehta, P. *et al.* (2011) *PLoS ONE* 6 (6), E21175

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.