

Product datasheet for **AR50295PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	ARHGDIB / D4-GDI (1-201, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGQWQATF GGGDHPPKSD LVPRGSHMTE KAPEPHVEED DDELDLSKLN YKPPPQKSLK ELQEMDKDDE SLIKYKKTLL GDGPVWTDPK APNVVWTRLT LVCESAPGPI TMDLTGDLEA LKKETIVLKE GSEYRVKIHF KVNRDIVSGL KYVQHTYRTG VKVDKATFMV GSYGPRPEEY EFLTPVEEAP KGMLARGTYH NKSFFTDDDK QDHLSWEWNL SIKKEWTE
Tag:	His-tag
Predicted MW:	49.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate -buffered Saline (pH 7.4) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ARHGDIB protein, fused to GST-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001166
Locus ID:	397
UniProt ID:	P52566 , A0A024RAS5
Cytogenetics:	12p12.3



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

Summary: Members of the Rho (or ARH) protein family (see MIM 165390) and other Ras-related small GTP-binding proteins (see MIM 179520) 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 (summary by Scherle et al., 1993 [PubMed 8356058]).[supplied by OMIM, Dec 2010]

Protein Families: Druggable Genome

Protein Pathways: Neurotrophin signaling pathway

Product images:

