

Recombinant Human ARHGDIB protein, GST-tagged

Cat. No. ARHGDIB-775H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARHGDIB full-length ORF (AAH09200, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	47.85 kDa
AA Sequence	MTEKAPEPHVEEDDDDELDSKLNYPKPPQKSLKELQEMDKDDESLIKYKKTLLGDG PVVTDPKAPNVVVTRLTLVCESAPGPITMDLTGDLEALKKETIVLKEGSEYRVKIHFK VNRDIVSGLKYVQHTYRTGVKVDKATFMVGSYGPRPEEYEF LTPVEEAPKGMLARG TYHNKSFFTDDDKQDHLSWEWNLSIKKEWTE
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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Antibody Production; Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

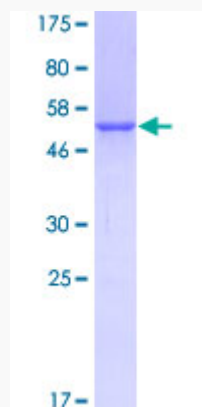
GENE INFORMATION

Gene Name	ARHGDIB Rho GDP dissociation inhibitor (GDI) beta [Homo sapiens]
Official Symbol	ARHGDIB
Synonyms	ARHGDIB; Rho GDP dissociation inhibitor (GDI) beta; GDIA2, GDID4, RAP1GN1; rho GDP-dissociation inhibitor 2; Ly GDI; RhoGDI2; Rho GDI 2; rho-GDI beta; D4; GDIA2; GDID4; LYGDI; Ly-GDI; RAP1GN1;
Gene ID	397
mRNA Refseq	NM_001175
Protein Refseq	NP_001166
MIM	602843
UniProt ID	P52566

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12.5% SDS-PAGE Stained with Coomassie Blue.

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