

Recombinant Human ARHGDIB, GST-tagged

Cat. No. ARHGDIB-27088TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length D4 GDI protein (Human) tagged to GST
Species	Human
Source	E.coli
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.
Conjugation	GST
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino	Protein contains a GST tag.

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acids	
Sequence Similarities	Belongs to the Rho GDI family.
Full Length	Full L.
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;
Gene ID	397
mRNA Refseq	NM_001175
Protein Refseq	NP_001166
MIM	602843
Uniprot ID	P52566
Chromosome Location	12p12.3
Pathway	Caspase cascade in apoptosis, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem; Neurotrophin signaling pathway, organism-

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specific biosystem; Neurotrophin signaling pathway, conserved biosystem;

Function

GTPase activator activity; Rho GDP-dissociation inhibitor activity;

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