

Recombinant Human ARHGDIB protein, His-tagged

Cat. No. ARHGDIB-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARHGDIB, fused with N-His, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	216aa(including fusion tag)
Description	Rho GDP-dissociation inhibitor 2 Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. 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.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	24.9kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array

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Storage Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name ARHGDIB Rho GDP dissociation inhibitor (GDI) beta [Homo sapiens]

Official Symbol ARHGDIB

Synonyms ARHGDIB; 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

Chromosome Location 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-specific biosystem; Neurotrophin signaling pathway, conserved biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem;

Pathway GTPase activator activity; Rho GDP-dissociation inhibitor activity;

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