

Recombinant Full Length Human ARHGDIB Protein, C-Flag-tagged

Cat. No. ARHGDIB-63HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ARHGDIB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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]).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22.8 kDa
AA Sequence	MTEKAPEPHVEEDDDDELDSKLNYKPPQKSLKELQEMDKDDESLIKYKKTLLGDG PVVTDPKAPNVVVT RLTLVCESAPGPITMDLTGDLEALKKETIVLKEGSEYRVKIHFK VNRDIVSGLKYVQHTYRTGVKVDKAT

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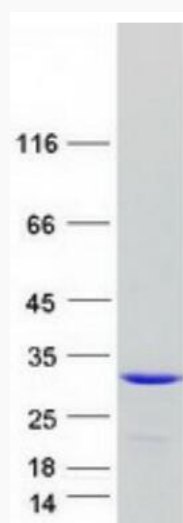
	FMVGSYGPRPEEYEFLTPVEEAPKGMLARGTYHNKSFFTDDDKQDHLSWEWNLSI KKEWTETRTTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Neurotrophin signaling pathway
Full Length	Full L.
GENE INFORMATION	
Gene Name	ARHGDIB Rho GDP dissociation inhibitor beta [Homo sapiens (human)]
Official Symbol	ARHGDIB
Synonyms	D4; GDIA2; GDID4; LYGDI; Ly-GDI; RAP1GN1; RhoGDI2
Gene ID	397

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mRNA Refseq	NM_001175.7
Protein Refseq	NP_001166.3
MIM	602843
UniProt ID	P52566



Coomassie blue staining of purified ARHGDIB protein.