

Product datasheet for TP303496

D4 (ARHGDI) (NM_001175) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho GDP dissociation inhibitor (GDI) beta (ARHGDI), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203496 protein sequence Red =Cloning site Green =Tags(s)
	MTEKAPEPHVEEDDDDELDSKLNYPKPPQKSLKELQEMDKDDESLIKYKKTLLGDGPVWTDPKAPNVVVT RLTLVCEAPGPITMDLTGDLKALKKETIVLKEGSEYRVKIHFKVNRDIVSGLKYVQHTYRTGVKVDKAT FMVGSYGPREEYFLTPVEEAPKGMMLARGTYHNKSFFTDDDKQDHLSEWNLISIKKEWTE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	22.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001166
Locus ID:	397
UniProt ID:	P52566
RefSeq Size:	1216



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Cytogenetics: 12p12.3

RefSeq ORF: 603

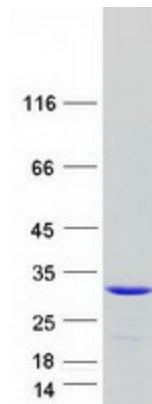
Synonyms: D4; GDIA2; GDID4; Ly-GDI; LYGDI; RAP1GN1; RhoGDI2

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:



Coomassie blue staining of purified ARHGDIB protein (Cat# TP303496). The protein was produced from HEK293T cells transfected with ARHGDIB cDNA clone (Cat# [RC203496]) using MegaTran 2.0 (Cat# [TT210002]).