

Product datasheet for **TP303496M**

D4 (ARHGDI B) (NM_001175) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human Rho GDP dissociation inhibitor (GDI) beta (ARHGDI B), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203496 protein sequence Red =Cloning site Green =Tags(s) |
| | MTEKAPEPHVEEDDDDELDSKLNYPKPPQKSLKELQEMDKDDESLIKYKKTLLGDGPVWTPKAPNVVWTR RLTLVCESAPGPITMDLTGDLEALKKETIVLKEGSEYRVKIHFKVNRDIVSGLKYVQHTYRTGVKVDKAT FMVGSYGPRPEEYFLTPVEEAPKGMLARGTYHNKSFDTDDDKQDHLSEWVWNSIKKEWTE 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 , A0A024RAS5 |
| RefSeq Size: | 1216 |



[View online »](#)

Cytogenetics: 12p12.3

RefSeq ORF: 603

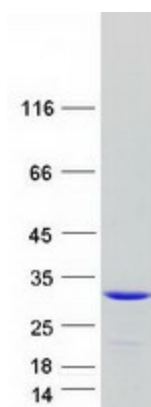
Synonyms: D4; GDIA2; GDID4; Ly-GDI; LYGDI; RAP1GN1; RhoGDI2

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]).