

## Product datasheet for **TP300902M**

### RhoGDI (ARHGDI) (NM\_004309) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho GDP dissociation inhibitor (GDI) alpha (ARHGDI), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200902 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAEQEPTAEQLAQIAAENEDEHSVNYKPPAQKSIQEIQELDKDDESLRKYKEALLGRVAVSADPNV PNTVVTGLTLVCSSAPGPLELDTGDLESFVKQSFVLKEGVYRIKISFRVNRREIVSGMKYIQHTYRKG VKIDKTDYMGVGSYGPRAEYEFLLPVEEAPKGMMLARGSYSIKSRFTDDDKTDHLSWEWNLTIKKDWKD  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	23 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:	<a href="#">NP_004300</a>
Locus ID:	396
UniProt ID:	<a href="#">P52565</a> , <a href="#">V9HWE8</a>
RefSeq Size:	1920



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Cytogenetics: 17q25.3

RefSeq ORF: 612

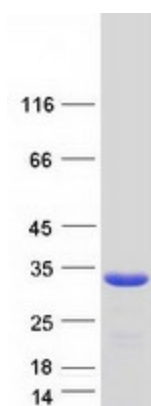
Synonyms: GDIA1; HEL-S-47e; NPHS8; RHOGDI; RHOGDI-1

**Summary:** This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

**Protein Families:** Druggable Genome

**Protein Pathways:** Neurotrophin signaling pathway

### Product images:



Coomassie blue staining of purified ARHGDI protein (Cat# [TP300902]). The protein was produced from HEK293T cells transfected with ARHGDI cDNA clone (Cat# [RC200902]) using MegaTran 2.0 (Cat# [TT210002]).