

## Product datasheet for **AR09714PU-L**

### ARHGDI1 / GDIA1 (24-204, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	ARHGDI1 / GDIA1 (24-204, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH MSVNYKPPAQ KSIQEIQLD KDDSLRKYK EALLGRVAVS ADPNVPNVVW TGLTLVCSA PGPLELDLTG DLESFKKQSF VLKEGVEYRI KISFRVNREI VSGMKYIQHT YRKGVKIDKT DYMVGSYGPR AEEYFLTPV EEAPKGMLAR GSYSIKSRFT DDDKTDHLSW EWNLTIKKDW KD</u>
Tag:	His-tag
Predicted MW:	22.9 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ARHGDI1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001172006</u>
Locus ID:	396
UniProt ID:	<u>P52565, V9HWE8</u>
Cytogenetics:	17q25.3
Synonyms:	GDIA1; HEL-S-47e; NPHS8; RHOGDI; RHOGDI-1



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**Summary:**

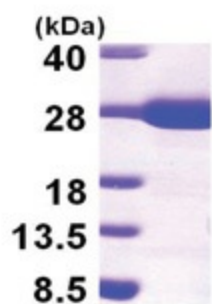
This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in 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:**

15% SDS-PAGE (3ug)