

Recombinant Human ARHGDI A, His-tagged

Cat. No. ARHGDI A-2880H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARHGDI A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Rho GDP-dissociation inhibitor 1, also known ARHGDI A, belong to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. Localized to the cytoplasm, ARHGDI A inhibits the dissociation of GDP from Rho proteins, thereby preventing GTP from binding to and subsequently activating Rho proteins. In humans ARHGDI A can be phosphorylated at Ser 101 by p21-activated kinase, an event that inhibits ARHGDI A activity and may result in positive feedback regulation of certain ARHGDI A target proteins.
Sequence	MGSSHHHHHH SSGLVPRGSH MSVNYKPPAQ KSIQEIQLD KDDSLRKYK EALLGRVAVS ADPNVNVVV TGLTLVCSSA PGPLEDLTG DLESFKKQSF VLKEGVEYRI KISFRVNREI VSGMKYIQHT YRKGVKIDKT DYMVGSYGPR AEEYEFLTPV EEAPKGMLAR GSYSIKSRFT DDDKTDHLSW EWNLTIKKDW KD.
Purity	> 95% by SDS – PAGE.
MW	22.9 kDa (202aa) confirmed by MALDI-TOF.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.

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Concentration 1mg/ml (determined by Bradford assay).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name ARHGDI2 Rho GDP dissociation inhibitor (GDI) alpha [Homo sapiens]

Synonyms ARHGDI2; Rho GDP dissociation inhibitor (GDI) alpha; GDIA1, MGC117248, RHOGDI, RHOGDI-1; rho GDI 1; rho GDP-dissociation inhibitor 1; rho-GDI alpha

Gene ID 396

mRNA Refseq NM_001185077

Protein Refseq NP_001172006

MIM 601925

UniProt ID P52565

Chromosome Location 17q25.3

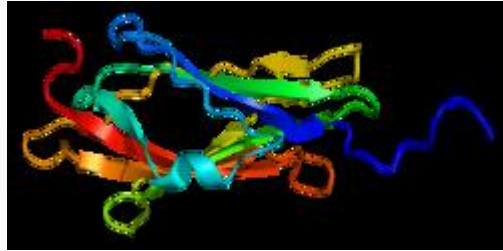
Pathway Neurotrophin signaling pathway; Vasopressin-regulated water reabsorption; Signaling by Rho GTPases

Function GTPase activator activity; Rho GDP-dissociation inhibitor activity; identical protein binding; protein binding

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