

ARHGDI^A recombinant protein

ARHGDI^A, 24-204aa, Human, His tag, E Coli

CATALOG # AAA48671	HOST E Coli	APPLICATIONS SDS-Page
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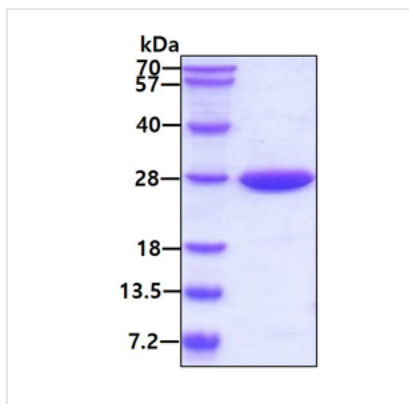
PRODUCT SYNONYMS

ARHGDI^A; 24-204aa; Human; His tag; E Coli; Rho GDP-dissociation inhibitor 1; GDIA1; RHOGDI; RHOGDI-1; Rho-GDI alpha; ARHGDI^A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSVNYKPPAQ KSIQEIQLD KDDSLRKYK EALLGRVAVS ADPNVPNVVV TGLTLVCSSA PGPLELDLTG DLESFKKQSF VLKEGVEYRI KISFRVNREI VSGMKYIQHT YRKGVKIDKT DYMVGSYGPR AEEYEFLTPV EEAPKGMLAR GSYSIKSRFT DDDKTDHLSW EWNLTIKKDW KD
Sequence Length	204
Applicable Applications for ARHGDI ^A recombinant protein	SDS-PAGE
Domain	24-204aa
Tag Information	His-tag
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for ARHGDIA recombinant protein	Rho GDP-dissociation inhibitor 1, also known ARHGDIA, belong to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. Localized to the cytoplasm, ARHGDIA inhibits the dissociation of GDP from Rho proteins, thereby preventing GTP from binding to and subsequently activating Rho proteins. In humans ARHGDIA can be phosphorylated at Ser 101 by p21-activated kinase, an event that inhibits ARHGDIA activity and may result in positive feedback regulation of certain ARHGDIA target proteins. Recombinant human ARHGDIA protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ARHGDIA recombinant protein	Signal Transduction
References	DerMardirossian C., et al. (2006) Mol Biol Cell. 17:4760-4768.; Leffers H., et al. (1993) Exp Cell Res. 209:165-174.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757768
NCBI GeneID	396
NCBI Accession #	NP_004300
NCBI GenBank Nucleotide #	NM_004309.5
UniProt Accession #	P52565; Q6IBM5; A8MXW0; B2R5X1; B4DDD3; B4DUV9
Molecular Weight	22.9 kDa (202aa) confirmed by MALDI-TOF
NCBI Official Full Name	rho GDP-dissociation inhibitor 1 isoform a
NCBI Official Synonym Full Names	Rho GDP dissociation inhibitor alpha
NCBI Official Symbol	ARHGDIA
NCBI Official Synonym Symbols	GDIA1; NPHS8; RHOGDI; RHOGDI-1; HEL-S-47e
NCBI Protein Information	rho GDP-dissociation inhibitor 1
UniProt Protein Name	Rho GDP-dissociation inhibitor 1
UniProt Gene Name	ARHGDIA
UniProt Synonym Gene Names	GDIA1; Rho GDI 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/arhgdia-recombinant-protein-e-coli-sds-page/48671>