

Product information

ARHGDI, 24- 204 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0775

Full name: Rho GDP-dissociation inhibitor 1

NCBI Accession No.: NP_004300

Synonyms: GDIA1, RHOGDI, RHOGDI-1, Rho-GDI alpha

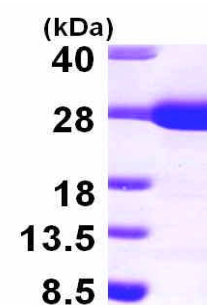
Description: Rho GDP-dissociation inhibitor 1, also known ARHGDI, belong to the RAS gene superfamily encoding small guanine nucleotide exchange (GTP/GDP) factors. Localized to the cytoplasm, ARHGDI inhibits the dissociation of GDP from Rho proteins, thereby preventing GTP from binding to and subsequently activating Rho proteins. In humans ARHGDI can be phosphorylated at Ser 101 by p21-activated kinase, an event that inhibits ARHGDI activity and may result in positive feedback regulation of certain ARHGDI target proteins. Recombinant human ARHGDI protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 22.9 kDa (202aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MSVNYKPPAQ KSIQEIQELD KDESRLRKYK EALLGRVAVS ADPNVNVVV TGLTLVCSSA PGPLELDLTG
DLESFKKQSF VLKEGVYRI KISFRVNREI VSGMKYIQHT YRKGVKIDKT DYMGVSGYGR AEEYEFLTPV EEAPKGMLAR GSYSIKSRFT
DDDKTDHLSW EWNLTIKKDW KD

General references:

DerMardirossian C., *et al.* (2006) *Mol Biol Cell.* 17:4760-4768.

Leffers H., *et al.* (1993) *Exp Cell Res.* 209:165-174.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.