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# ARHGDIA Human

*Rho GDP dissociation inhibitor (GDI) alpha Human Recombinant*
*RCP0100*

## Product Overview

| | |
|---|---|
| Name | ARHGDIA Human |

**Description**

Rho GDP dissociation inhibitor (GDI) alpha Human Recombinant

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|---|---|
| Accession (Primary) | P52565 |

**Synonyms**

Rho GDP-dissociation inhibitor 1, Rho GDI 1, Rho-GDI alpha, ARHGDIA, GDIA1, RHOGDI, RHOGDI-1, MGC117248.

**Introduction**

Rho GDP-dissociation inhibitor 1 (ARHGDIA) is a member of the RAS gene superfamily, which encodes small guanine nucleotide exchange (GTP/GDP) factors. ARHGDIA, which is localized to the cytoplasm, inhibits the dissociation of GDP from Rho proteins, thus preventing GTP from binding to and consequently activating Rho proteins. In humans, the ARHGDIA can be phosphorylated at Ser 101 by p21-activated kinase, an event that inhibits its activity and may result in positive feedback regulation of several ARHGDIA target proteins.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

The ARHGDIA solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 95.0% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH M SVNYKPPAQ KSIQEIQELD KDDESLRKYK EALLGRVAVS ADPNVPNVVV TGLTLVCSSA PGPLELDLTG DLESFKKQSF VLKEGVEYRI KISFRVNREI VSGMKYIQHT YRKGVKIDKT DYMVGSYGPR AEEYEFLTPV EEAPKGMLAR GSYSIKSRFT DDDKTDHLSW EWNLTIKKDW KD.

**Precautions**

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ARHGDIA Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P52565 )