

## Recombinant Human ARHGDIG

**Cat. No.** ARHGDIG-26234TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human ARHGDIG with N-terminal proprietary tag. Predicted MW 50.86 kDa.                                                                          |
| <b>Species</b>            | Human                                                                                                                                                                   |
| <b>Source</b>             | Wheat Germ                                                                                                                                                              |
| <b>ProteinLength</b>      | 225 amino acids                                                                                                                                                         |
| <b>Description</b>        | The GDP-dissociation inhibitors (GDIs) play a primary role in modulating the activation of GTPases by inhibiting the exchange of GDP for GTP. See ARHGDIB (MIM 602843). |
| <b>Molecular Weight</b>   | 50.860kDa inclusive of tags                                                                                                                                             |
| <b>Tissue specificity</b> | Primarily expressed in pancreas and brain.                                                                                                                              |
| <b>Form</b>               | Liquid                                                                                                                                                                  |
| <b>Purity</b>             | Proprietary Purification                                                                                                                                                |
| <b>Storage buffer</b>     | pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione                                                                                                                   |
| <b>Storage</b>            | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                               |

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**Sequences of amino acids**

MLGLDACELGAQLLELLRLALCARVLLADKEGGPPAVDEV LDEAVPEYRAPGRKSL  
 LEIRQLDPDDRSLAKYKRVLLGPL PPAVDPSLPNVQVTRLTLLSEQAPGPVMDLTG  
 DLAVLKD QVFVLKEGVDYRVKISFKVHREIVSGLKCLHHTYRRGLRV DKTVYMVGS  
 YGPSAQEYEFVTPVEEAPRGALVRGPYLVVS LFTDDDRTHHLSWEWGLCICQDWK  
 D

**Sequence Similarities**

Belongs to the Rho GDI family.

## GENE INFORMATION

**Gene Name** [ARHGDIG Rho GDP dissociation inhibitor \(GDI\) gamma \[ Homo sapiens \]](#)

**Official Symbol** [ARHGDIG](#)

**Synonyms** ARHGDIG; Rho GDP dissociation inhibitor (GDI) gamma; rho GDP-dissociation inhibitor 3; RhoGDI gamma; RHOGDI 3;

**Gene ID** [398](#)

**mRNA Refseq** [NM\\_001176](#)

**Protein Refseq** [NP\\_001167](#)

**MIM** [602844](#)

**Uniprot ID** [Q99819](#)

**Chromosome Location** 16p13.3

**Pathway** G13 Signaling Pathway, organism-specific biosystem; Regulation of RhoA activity,

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organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;

**Function**

GTPase activator activity; Rho GDP-dissociation inhibitor activity;

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