

## Recombinant Human GDI2, T7-tagged

**Cat. No.** GDI2-2972H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GDI2 (1-445 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Length</b>   | 1-445 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. |
| <b>MW</b>               | 50663 Da.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | 95%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>      | 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN <sub>3</sub> .                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application</b>      | MS. SDS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | GDI2 GDP dissociation inhibitor 2 [ Homo sapiens ]                                                                                                                                                    |
| <b>Synonyms</b>            | GDI2; GDP dissociation inhibitor 2;GDI-2; OTTHUMP00000019014; guanosine diphosphate dissociation inhibitor 2; rab GDI beta; rab GDP dissociation inhibitor beta; rab GDP-dissociation inhibitor, beta |
| <b>Gene ID</b>             | 2665                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001115156                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001108628                                                                                                                                                                                          |
| <b>MIM</b>                 | 600767                                                                                                                                                                                                |
| <b>UniProt ID</b>          | P50395                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 10p15                                                                                                                                                                                                 |
| <b>Pathway</b>             | Signaling by Rho GTPases                                                                                                                                                                              |
| <b>Function</b>            | GTPase activator activity; Rab GDP-dissociation inhibitor activity; protein binding                                                                                                                   |

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