

## Recombinant Human GDI2, His-tagged

**Cat. No.** GDI2-13214H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Human GDI2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-232a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                                                                                                                                                        |

### GENE INFORMATION

|                  |                                                    |
|------------------|----------------------------------------------------|
| <b>Gene Name</b> | GDI2 GDP dissociation inhibitor 2 [ Homo sapiens ] |
|------------------|----------------------------------------------------|

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|                            |                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | GDI2                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | GDI2; GDP dissociation inhibitor 2; rab GDP dissociation inhibitor beta; rab GDP dissociation; RABGDIB; GDI-2; rab GDI beta; rab GDP-dissociation inhibitor, beta; guanosine diphosphate dissociation inhibitor 2; FLJ16452; FLJ37352; |
| <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>             | Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;                                                                                |
| <b>Function</b>            | GTPase activator activity; Rab GDP-dissociation inhibitor activity; Rab GTPase activator activity; protein binding;                                                                                                                    |

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