

Recombinant Full Length Human GDI1 Protein, GST-tagged

Cat. No. GDI1-5244HF Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Human GDI1 full-length ORF (AAH00317, 1 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| Protein Length | 447 amino acids |
| Description | 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. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation. [provided by RefSeq] |
| Molecular Mass | 74.91 kDa |
| AA Sequence | MDEEYDVIVLGTGLTECIPSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQL LEGPPEMGRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVVEGSFVYKGG KIYKVPSTETEALASNLGMFEKRRFRKFLVFNFDENDPKTFEGVDPQTTSMRD VYRKFDLGDQVIDFTGHALALYRTDDYLDQPCLETVNRILYSESLARYGKSPYLYPL YGLGELPQGFARLSAIYGGTYMLNKPVDDIIMENGKVVGVKSEGEVARCKQLICDPS YIPDRVRKAGQVIRIICILSHPIKNTNDANSCQIIPQNQVNRKSDIYVCMISYAHNVAA |

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QGKYIAIASTTVETTDPEKEVEPALELLGPIDQKFVAISDLYEPIDGCEQVFCSCSY
DATTHFETTCNDIKDIYKRMAGTAFDFENMKRKQNDVFGAEQ

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GDI1 GDP dissociation inhibitor 1 \[Homo sapiens \]](#)

Official Symbol [GDI1](#)

Synonyms
 GDI1; GDP dissociation inhibitor 1; GDIL, MRX41, MRX48; rab GDP dissociation inhibitor alpha; FLJ41411; mental retardation; X linked 41; X linked 48; OPHN2; rab GDP dissociation inhibitor; alpha; RABGDIA; XAP 4; GDI-1; protein XAP-4; rab GDI alpha; oligophrenin-2; mental retardation, X-linked 48; rab GDP-dissociation inhibitor, alpha; guanosine diphosphate dissociation inhibitor 1; 1A; GDIL; MRX41; MRX48; XAP-4; RABGD1A;

Gene ID [2664](#)

mRNA Refseq [NM_001493](#)

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|-----------------------|-----------|
| Protein Refseq | NP_001484 |
| MIM | 300104 |
| UniProt ID | P31150 |

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