Recombinant Human GDI1 Protein, GST-tagged

Cat. No. GDI1-4831H **Lot. No.** (See product label)

SPECIFICATION

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	Wheat Germ
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	MDEEYDVIVLGTGLTECIPSGIMSVNGKKVLHMDRNPYYGGESSSITPLEELYKRFQL LEGPPESMGRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVEGSFVYKGG KIYKVPSTETEALASNLMGMFEKRRFRKFLVFVANFDENDPKTFEGVDPQTTSMRD VYRKFDLGQDVIDFTGHALALYRTDDYLDQPCLETVNRIKLYSESLARYGKSPYLYPL YGLGELPQGFARLSAIYGGTYMLNKPVDDIIMENGKVVGVKSEGEVARCKQLICDPS YIPDRVRKAGQVIRIICILSHPIKNTNDANSCQIIIPQNQVNRKSDIYVCMISYAHNVAA QGKYIAIASTTVETTDPEKEVEPALELLGPIDQKFVAISDLYEPIDDGCESQVFCSCSY

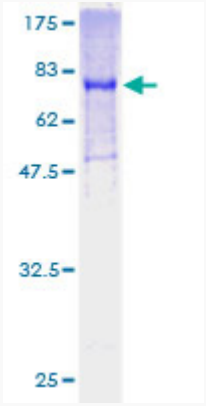
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	DATTHFETTCNDIKDIYKRMAGTAFDFENMKRKQNDVFGEAEQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 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
Protein Refseq	NP_001484

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MIM	300104
UniProt ID	P31150
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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