

Recombinant Full Length Human GDI2 Protein, GST-tagged

Cat. No. GDI2-5246HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GDI2 full-length ORF (AAH05145.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	445 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. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]
Molecular Mass	74.69 kDa
AA Sequence	MNEEYDVIVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESASITPLEDLYKRFKI PGSPPEMERGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVTESFVYKGG KIYKVPSTAEALASSLMGLFEKRRFRKFLVYVANFDEKDPRTFEGIDPKKTTMRDV YKKFDLGQDVIDFTGHALALYRTDDYLDQPCYETINRIKLYSESLARYGKSPYLYPLY GLGELPQGFARLGAIYGGTYMLNKPIEEIVQNGKVIGVKSEGEIARCKQLICDPSYVK

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DRVEKVGQVIRVICILSHPIKNTNDANSCQIIPQNQVNRKSDIYVCMISFAHNVAAQG
KYIAIVSTTVETKEPEKEIRPALELLEPIEQKFVSISDLLVPKDLGTESQIFISRTYDATT
HFETTCDDIKNIYKRMTGSEFDFEEMKRKKNDIYGED

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

GDI2 GDP dissociation inhibitor 2 [Homo sapiens]

Official Symbol

GDI2

Synonyms

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;

Gene ID

2665

mRNA Refseq

NM_001115156

Protein Refseq

NP_001108628

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MIM	600767
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UniProt ID	P50395
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