

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
Protein Length	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 PGSPPEMERGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVFTEGSFVYKGG KIYKVPSTAEALASSLMGLFEKRRFRKFLVYVANFDEKDPRTFEGIDPKKTTMRDV YKKFDLGQDVIDFTGHALALYRTDDYLDQPCYETINRIKLYSESLARYGKSPYLYPLY GLGELPQGFARLGAIIYGGTYMLNKPIEEIIVQNGKVIGVKSEGEIARCKQLICDPSYVK

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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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