

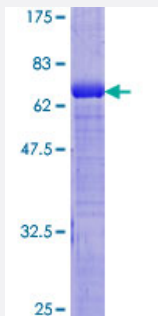
Full-Length

GDI2 (Human) Recombinant Protein (P01)

Catalog # H00002665-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GDI2 full-length ORF (AAH05145.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNEEYDVVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESASITPLEDLTKRFKIPGSPPEME
RGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVTESFVYKGGKMKVPSTAEALASSLM
GLFEKRRFRKFLVYVANFDEKDPRTFEGIDPKKTTMRDVYKKFDLGQDVIDFTGHALALYRTDDYL
DQPCYETINRIKLYSESLARYGKSPYLPLYGLGELPQGFAFLGAIYGGTYMLNKPIEEIVQNGKVIG
VKSEGEIARCKQLICDPSYVKDRVEKVGQVIRVICILSHPIKNTNDANSCQIIIPQNQVNRKSDIYVCM
SFAHNVAAGKYIAVSTTVETKEPEKEIRPALELLEPIEQKFVSISDLLVPKDLGTESQIFISRTYDAT
THFETTCDDIKNIYKRMTGSEFDFEEMKRKKNDIYGED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.69

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GDI2

Entrez GeneID	2665
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GeneBank Accession#	BC005145
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Protein Accession#	AAH05145.1
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Gene Name	GDI2
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Gene Alias	FLJ16452, FLJ37352, RABGDIB
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Gene Description	GDP dissociation inhibitor 2
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Omim ID	600767
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Gene Ontology	Hyperlink
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Gene Summary	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]
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Other Designations	OTTHUMP00000019010 rab GDP-dissociation inhibitor, beta
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Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)