Recombinant Human GDI2

Cat. No. GDI2-28229TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human GDI2 with N terminal proprietary tag; Predicted MWt 36.63 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	Proprietary Purification

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QGKYIAIVSTTVETKEPEKEIRPALELLEPIEQKFVSISDLLVPKDLGTESQIFISRTYDA TTHFETTCDDIKNIYKRMTGSEFDFEEMKRKKNDIYGED
Sequence Similarities	Belongs to the Rab GDI family.

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;
Gene ID	2665
mRNA Refseq	NM_001115156
Protein Refseq	NP_001108628
MIM	600767
Uniprot ID	P50395
Chromosome Location	10p15

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Pathway	Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Function	GTPase activator activity; Rab GDP-dissociation inhibitor activity; Rab GTPase activator activity; protein binding;

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