

Product information



GDI2, 1-445aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2654

Full name: Rab GDP dissociation inhibitor beta isoform 1

NCBI Accession No.: NP_001485

Synonyms: RABGDIB

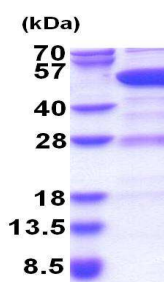
Description: Rab GDP dissociation inhibitor beta isoform 1, also known as GDI2, belongs to the GDP dissociation inhibitors (GDIs) family. GDIs can bind and release GDP-bound Rab proteins from membranes. Two GDI proteins towards different Rab proteins have been identified. GDI1 interacts with almost all of the Rab proteins, while GDI2 interacts with Rab11 but not Rab3A. GDI2 distributes ubiquitously, displaying a membrane bound location in perinuclear regions of cells. GDI-2 was thought to be involved in cellular response to insulin. Recombinant human GDI2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl,
10% glycerol, 1mM DTT

Molecular Weight: 53.1 kDa (468aa)

Purity: > 85% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSNNEEYDV IVLGTGLTEC ILSGIMSVNG KVLHMDRNP YGGESASIT PLEDLYKRFK IPGSPPEMSG
RGRDWNVDLI PKFLMANGQL VKMLLYTEVT RYLDKVTGEG SFVYKGGKIY KVPSTAEAL ASSLMGLFEK RRFRKFLVYV ANFDEKDPRT
FEGIDPKKTT MRDVYKFDL GQDVIDFTGH ALALYRTDDY LDQPCYETIN RIKLYESLA RYKSPYLYP LYGLGELPQG FARLSAIYGG
TYMLNKPIEE IIVQNGKVGK VKSEGEIARC KQLICDPSYV KDRVEKVGQV IRVICILSHP IKNTNDANSC QIIIPQNQVN RKSDIYVCM
SFAHNVAAGG KYIAIVSTTV ETKEPEKEIR PALELLEPIE QKFVSI DLL VPKDLGTESQ IFISRTYDAT THFETTCDDI KNIYKRMTGS
EFDFEEMKRK KNDIYGED

General references:

Nishimura N., *et al.* (1995) *Cancer Res.* 55: 5445-5450.

Sedlacek Z., *et al.* (1999) *Mol Biol Evol.* 16: 1231-1237.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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