

Recombinant human GDI2 protein

Catalog Number: ATGP2654

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-445aa

UniProt No.

P50395

NCBI Accession No.

NP_001485

Alternative Names

Rab GDP dissociation inhibitor beta isoform 1, Rab GDP dissociation inhibitor beta isoform 1, RABGDIB

PRODUCT SPECIFICATION

Molecular Weight

53.1 kDa (468aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMNEEYDV IVLGTGLTEC ILSGIMSVNG KKVLMMDRNP YYGGESASIT PLEDLYKRFK
IPGSPPEMSG RGRDWNVDLI PKFLMANGQL VKMLLYTEVT RYLDKFKVTEG SFVYKGGKIY KVPSTEAEAL ASSLMGLFEK
RRFRKFLVYV ANFDEKDPRT FEGIDPKKTT MRDVYKKFDL GQDVIDFTGH ALALYRTDDY LDQPCYETIN RIKLYSES
LA RYGKSPYLYP LYGLGELPQG FARLSAIYGG TYMLNKPIEE IIVQNGKVIG VKSEGEIARC KQLICDPSYV KDRVEKVGQV
IRVICILSHP IKNTNDANSC QIIPQNQVN RKSDIYVCM I SFAHNVAAQG KYIAIVSTTV ETKPEKEIR PALELLEPIE
QKFVVISDLL VPKDLGTESQ IFISRTYDAT THFETTCDDI KNIYKRMTGS EFDFEEMKRK KNDIYGED

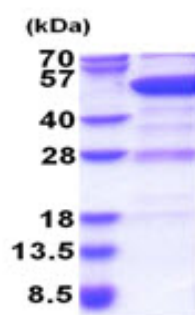
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)