
Product Data Sheet

Product Name: GDI2 Human
 Cat. No.: GP23543
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GDP Dissociation Inhibitor 2; GDI2; RABGDIB; Guanosine Diphosphate Dissociation Inhibitor 2 ; Rab GDI Beta ; GDI-2; Epididymis Secretory Sperm Binding Protein Li 46e; Rab GDP Dissociation Inhibitor Beta ; Rab GDP-Dissociation ; HEL-S-46e.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNEEYDV IVLGTGLTEC ILSGIMSVNG KKVLMHDRNP YGGESASIT PLEDLYKRFK IPGSPPESMG RGRDWNVDLI PKFLMANGQL VKMLLYTEVT RYLDKFKVTEG SFVYKGGKIY KVPSTEAEL ASSLMGLFEK RFRKFLVYV ANFDEKDPRT FEGIDPKKTT MRDVYKKFDL GQDVIDFTGH ALALYRTDDY LDQPCYETIN RIKLYSESLA RYGKSPYLYP LYGLGELPQG FARLSAIYGG TYMLNKPIEE IIVQNGKVIK VKSEGEIARC KQLICDPSYV KDRVEKVGQV IRVICILSHP IKNTNDANSC QIIPQNQVN RKSDIYVCM I SFAHNVAAG KYIAIVSTTV ETKEPEKEIR PALELLEPIE QKFVSISDLL VPKDLGTESQ IFISRTYDAT THFETTCDI KNIYKRMTGS EFDFEEMKRK KNDIYGED.		
Formulation	The GDI2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Rab GDP dissociation inhibitor beta isoform 1 (GDI2) is a member of the GDP dissociation inhibitors (GDIs) family. GDI proteins can bind and release GDP-bound Rab proteins from membranes. GDI1 interacts with virtually all of the Rab proteins, whereas GDI2 interacts with Rab11 but not Rab3A. GDI2 distributes ubiquitously, presenting a membrane bound location in perinuclear regions of cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GDI2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 468 amino acids (1-445) and having a molecular mass of 53.1 kDa. GDI2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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