9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GDI1 Human

GDP Dissociation Inhibitor 1 Human Recombinant
RCP0904

Product Overview

Name	GDI1 Human
Description	
GDP Dissociation Inhibitor 1 Human Recombinant	
Accession (Primary)	P31150
Synonyms	
Rab GDP dissociation inhibitor alpha, Rab GDI alpha, GDP Dissociation Inhibitor 1, GDI1, Guanosine diphosphate dissociation inhibitor 1, GDI-1, Oligophrenin-2, XAP-4, GDIL, OPHN2, RABGDIA, XAP4, MRX41, MRX48, 1A, RABGD1A.	
Introduction	
GDP Dissociation Inhibitor 1 (GDI1) is expressed mainly in neural and sensory tissues. GDI1 regulates the GDP/GTP exchange reaction of nearly all Rab proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. GDI1 is also promoting the dissociation of GDP-bound Rab proteins from the membrane and inhibits their activation. Mutations in GDI1 have been associated with X-linked nonspecific mental retardation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The GDI1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer 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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MDEEYDV IVLGTGLTEC ILSGIMSVNG KKVLHMDRNP YYGGESSSIT PLEELYKRFQ LLEGPPESMG RGRDWNVDLI PKFLMANGQL VKMLLYTEVT RYLDFKVVEG SFVYKGGKIY KVPSTETEAL ASNLMGMFEK RRFRKFLVFV ANFDENDPKT FEGVDPQTTS MRDVYRKFDL GQDVIDFTGH	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ALALYRTDDY LDQPCLETVN RIKLYSESLA RYGKSPYLYP LYGLGELPQG FARLSAIYGG TYMLNKPVDD IIMENGKVVG VKSEGEVARC KQLICDPSYI PDRVRKAGQV IRIICILSHP IKNTNDANSC QIIIPQNQVN RKSDIYVCMI SYAHNVAAQG KYIAIASTTV ETTDPEKEVE PALELLEPID QKFVAISDLY EPIDDGCESQ VFCSCSYDAT THFETTCNDI KDIYKRMAGT AFDFENMKRK QNDVFGEAEQ.

Precautions

GDI1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P31150)