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Product datasheet for PH300596

GDI2 (NM_001494) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GDI2 MS Standard C13 and N15-labeled recombinant protein (NP_001485)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200596
Predicted MW:	50.7 kDa
Protein Sequence:	>RC200596 protein sequence Red=Cloning site Green=Tags(s) MNEEYDVIVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESASITPLEDLYKRFKIPGSPPESMGRGR DWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVTEGSFVYKGGKIYKVPSTEAEALASSLMGLFEKRRF RKFLVYVANFDEKDPRTFEGIDPKKTTMRDVYKKFDLGQDVIDFTGHALALYRTDDYLDQPCYETINRIK LYSESLARYGKSPYLYPLYGLGELPQGFARLSAIYGGTYMLNKPIEEIIVQNGKVIGVKSEGEIARCKQL ICDPSYVKDRVEKVGQVIRVICILSHPIKNTNDANSCQIIIPQNQVNRKSDIYVCMISFAHNVAAQGKYI AIVSTTVETKEPEKEIRPALELLEPIEQKFVSISDLLVPKDLGTESQIFISRTYDATTHFETTCDDIKNI YKRMTGSEFDFEEMKRKKNDIYGED TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001485
RefSeq Size:	2441
RefSeq ORF:	1335
Synonyms:	HEL-S-46e; RABGDIB

View online »

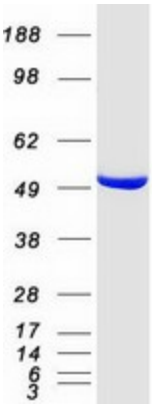
Locus ID: 2665

UniProt ID: P50395, Q6IAT1

Cytogenetics: 10p15.1

Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified GDI2 protein (Cat# [TP300596]). The protein was produced from HEK293T cells transfected with GDI2 cDNA clone (Cat# [RC200596]) using MegaTran 2.0 (Cat# [TT210002]).