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Product datasheet for PH304923

MIR16 (GDE1) (NM_016641) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GDE1 MS Standard C13 and N15-labeled recombinant protein (NP_057725)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204923
Predicted MW:	37.7 kDa
Protein Sequence:	>RC204923 protein sequence Red=Cloning site Green=Tags(s) MWLWEDQGGLLGPFSFLLLVLLLVTRSPVNACLLTGSLFVLLRVFSFEPVPSCRALQVLKPRDRISAIAH RGGSHDAPENTLAAIRQAAKNGATGVELDIEFTSDGIPVLMHDNTVDRTTDGTGRLCDLTFEQIRKLNPA ANHRLRNDFPDEKIPTLREAVAECLNHNLTIFFDVKGHAHKATEALKKMYMEFPQLYNNSVVCSFLPEVI YKMRQTDRDVITALTHRPWSLSHTGDGKPRYDTFWKHFIFVMMDILLDWSMHNILWYLCGISAFLMQKDF VSPAYLKKWSAKGIQVVGWTVNTFDEKSYYESHLGSSYITDSMVEDCEPHF 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_057725
RefSeq Size:	2960
RefSeq ORF:	993
Synonyms:	363E6.2; MIR16
Locus ID:	51573

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UniProt ID: Q9NZC3

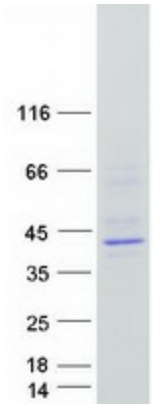
Cytogenetics: 16p12.3

Summary: Has glycerophosphoinositol phosphodiesterase activity. Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines. Has little or no activity towards glycerophosphocholine. GDE1 activity can be modulated by G-protein signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Protein Pathways: Glycerophospholipid metabolism

Product images:



Coomassie blue staining of purified GDE1 protein (Cat# [TP304923]). The protein was produced from HEK293T cells transfected with GDE1 cDNA clone (Cat# [RC204923]) using MegaTran 2.0 (Cat# [TT210002]).