

## Product datasheet for **TP304923L**

### MIR16 (GDE1) (NM\_016641) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycerophosphodiester phosphodiesterase 1 (GDE1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204923 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MWLWEDQGGLLGPFSFLLLVLVTRSPVNAACLLTGSLFVLLRVFSFEPVPSCRALQVLKPRDRISIAIAH  
RGGSHDAPENTLAAIRQAAKNGATGVELDIEFTSDGIPVLMHDNTVDRTDGTGRLCDLTFEQIRKLNPA  
ANHRLRNDFPDEKIPTLREAVAECLNHNLTIFFDVKGHAHKATEALKKMYMEFPQLYNNNSVVCFLPEVI  
YKMRQTRDRDVITALTHRPWSLSHTGDGKPRYDTFWKHFIFVMMDILLDWSMHNILWYLCGISAFMLQKDF  
VSPAYLKKWSAKGIQVVGWTVNTFDEKSYYESHLGSSYITDSMVEDCEPHF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	37.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_057725</a>
Locus ID:	51573



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UniProt ID: [Q9NZC3](#)

RefSeq Size: 2960

Cytogenetics: 16p12.3

RefSeq ORF: 993

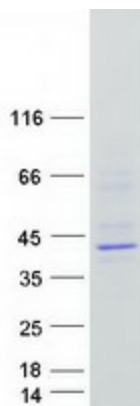
Synonyms: 363E6.2; MIR16

**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]).