

Product datasheet for PH306360

ENPP6 (NM_153343) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ENPP6 MS Standard C13 and N15-labeled recombinant protein (NP_699174)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206360
Predicted MW:	50.2 kDa
Protein Sequence:	>RC206360 protein sequence Red=Cloning site Green=Tags(s)

MAVKLGTLALLALGLAQPASARRKLLVFLLDGFRSDYISDEALESLPGFKEIVSRGVKVDYLTPDFPSL
SYPNYYTLMTGRHCEVHQMIGNYMWDPTTNKSFDIGVNKDSLMLWNGSEPLWVTLTKAKRKVYMYWP
GCEVEILGVRPTYCLEYKNVPTDINFANAVSDALDSFKSGRADLAAIYHERIDVEGHYGPASPQRKDAL
KAVDTVLKYMTKWIQERGLQDRNLNVIIFSDHGMDIFWMDKVIENLKYISLNDLQQVKDRGPVVSLEWPA
GKHSEIYNKLSTVEHMTVYEKEAIPSRFYKKGKFSVPLTLVADEGWFITENREMLPFWMNSTGRREGWQ
RGWHGYDNELMDMRGIFLAFGPDFKSNFRAAIPRSVDVYNVMCNVVGITPLPNNGSWSRVMCMLKGRAS
APPVWPSHCALALILLFLLA

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_699174</u>
RefSeq Size:	3936
RefSeq ORF:	1320
Synonyms:	NPP6



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Locus ID: 133121

UniProt ID: [Q6UWR7](#)

Cytogenetics: 4q35.1

Summary: Choline-specific glycerophosphodiester phosphodiesterase. The preferred substrate may be lysosphingomyelin (By similarity). Hydrolyzes lysophosphatidylcholine (LPC) to form monoacylglycerol and phosphorylcholine but not lysophosphatidic acid, showing it has a lysophospholipase C activity. Has a preference for LPC with short (12:0 and 14:0) or polyunsaturated (18:2 and 20:4) fatty acids. Also hydrolyzes glycerophosphorylcholine and sphingosylphosphorylcholine efficiently. Hydrolyzes the classical substrate for phospholipase C, p-nitrophenyl phosphorylcholine in vitro, while it does not hydrolyze the classical nucleotide phosphodiesterase substrate, p-nitrophenyl thymidine 5'-monophosphate. Does not hydrolyze diacyl phospholipids such as phosphatidylethanolamine, phosphatidylinositol, phosphatidylserine, phosphatidylglycerol and phosphatidic acid.[UniProtKB/Swiss-Prot Function]

Protein Families: Secreted Protein

Protein Pathways: Ether lipid metabolism

Product images:



Coomassie blue staining of purified ENPP6 protein (Cat# [TP306360]). The protein was produced from HEK293T cells transfected with ENPP6 cDNA clone (Cat# [RC206360]) using MegaTran 2.0 (Cat# [TT210002]).