

Product datasheet for TP306360

OriGene Technologies, Inc.

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ENPP6 (NM 153343) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human ectonucleotide pyrophosphatase/phosphodiesterase 6 (ENPP6),

20 µg

Species: Human Expression Host: HEK293T

Expression cDNA >RC206360 protein sequence
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MAVKLGTLLLALALGLAQPASARRKLLVFLLDGFRSDYISDEALESLPGFKEIVSRGVKVDYLTPDFPSL

SYPNYYTLMTGRHCEVHQMIGNYMWDPTTNKSFDIGVNKDSLMPLWWNGSEPLWVTLTKAKRKVYMYYWP GCEVEILGVRPTYCLEYKNVPTDINFANAVSDALDSFKSGRADLAAIYHERIDVEGHHYGPASPQRKDAL KAVDTVLKYMTKWIQERGLQDRLNVIIFSDHGMTDIFWMDKVIELNKYISLNDLQQVKDRGPVVSLWPAP GKHSEIYNKLSTVEHMTVYEKEAIPSRFYYKKGKFVSPLTLVADEGWFITENREMLPFWMNSTGRREGWQ RGWHGYDNELMDMRGIFLAFGPDFKSNFRAAPIRSVDVYNVMCNVVGITPLPNNGSWSRVMCMLKGRAST

APPVWPSHCALALILLFLLA

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK
Predicted MW: 50.1 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: NP 699174

 Locus ID:
 133121

 UniProt ID:
 Q6UWR7

 RefSeq Size:
 3936

 Cytogenetics:
 4q35.1

 RefSeq ORF:
 1320

 Synonyms:
 NPP6

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

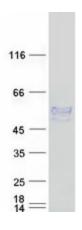
diacyl phospholipids such as phosphatidylethanolamine, phosphatidylinositol,

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]).