

Product datasheet for **RC206360**

ENPP6 (NM_153343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENPP6 (NM_153343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ENPP6
Synonyms:	NPP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206360 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGTGAAGCTTGGGACCCTCTGCTGGCCCTTGGCCTGGCCAGCCAGCCTCTGCCCGCC
 GGAAGCTGCTGGTGTTCCTGCTGGATGGTTTTCGCTCAGACTACATCAGTGATGAGGCGCTGGAGTCATT
 GCCTGGTTTTCAAAGAGATTGTGAGCAGGGGAGTAAAAGTGGATTACTTGACTCCAGACTTCCCTAGTCTC
 TCGTATCCCAATTATTATACCCTAATGACTGGCCGCCATTGTGAAGTCCATCAGATGATCGGGAACATA
 TGTGGGACCCACCACCAACAAGTCCTTTGACATTGGCGTCAACAAGACAGCCTAATGCCTCTCTGGTG
 GAATGGATCAGAACCTCTGTGGTCACTCTGACCAAGGCCAAAAGGAAGGTCTACATGTACTACTGGCCA
 GGCTGTGAGGTTGAGATTCTGGGTGTGAGCCACCTACTGCCTAGAATATAAAAATGTCCCAACGGATA
 TCAATTTTGCCAATGCAGTCAGCGATGCTCTTGACTCCTTCAAGAGTGGCCGGCCGACCTGGCAGCCAT
 ATACCATGAGCGCATTGACGTGGAAGGCCACCACTACGGCCCTGCATCTCCGAGAGGAAAGATGCCCTC
 AAGGCTGTAGACTGTCTGAAGTACATGACCAAGTGGATCCAGGAGCGGGGCCTGCAGGACCGCCTGA
 ACGTCATTATTTCTCGGATCACGGAATGACCGACATTTTCTGGATGGACAAAGTATTGAGCTGAATAA
 GTACATCAGCCTGAATGACCTGCAGCAAGTGAAGGACCGCGGCCCTGTTGTGAGCCTTTGGCCGGCCCT
 GGGAAACTCTGAGATATATAACAACTGAGCACAGTGGAAACATGACTGTCTACGAGAAAGAAGCCA
 TCCAAGCAGGTTCTATTACAAGAAAGGAAAGTTGTCTCTCCTTTGACTTTAGTGGCTGATGAAGGCTG
 GTTCATAACTGAGAATCGAGAGATGCTCCGTTTTGGATGAACAGCACCGGCAGGCGGGAAGGTTGGCAG
 CGTGGATGGCAGCGCTACGACAACGAGCTCATGGACATGCGGGGCATCTCCTGGCCTTCGGACCTGATT
 TCAAATCCAACCTCAGAGCTGCTCCTATCAGTCCGTTGGACGCTACAATGTCATGTGCAATGTGGTGGG
 CATCACCCCGCTGCCAACAACGGATCCTGGTCCAGGGTATGTGCATGCTGAAGGGCCGCGCCAGCACT
 GCCCCGCTGTCTGGCCAGCCACTGTGCCCTGGCACTGATTCTTCTCTCTGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206360 protein sequence
 Red=Cloning site Green=Tags(s)

MAVKLGTLALLALGLAQPASARRKLLVLLDGFERSDYISDEALESPLPGFKEIVSRGVKVDYLTDPDFPSL
 SYPNYYTLMTGRHCEVHQMIGNYMWDPTTNKSFDIGVKNDSLMLPLWNGSEPLWVTLTKAKRKVYMYWP
 GCEVEILGVRPTYCLEYKNVPTDINFANAVSDALDSFKSGRADLAAIYHERIDVEGHYGPASPQRKDAL
 KAVDVTLYKMTKWIQERGLQDRLNVIIFSDHGMDIFWMDKVIENKYISLNDLQQVKDRGPVSLWPAP
 GKHSEIYNKLSVEHMTVYEKEAIPSRFYKKGKFFVSPLTLVADEGWFI TENREMLPFWMNSTGRREGWQ
 RGWHGYDNELMDMRGIFLAFGPDFKSNFRAAPIRSVDVYNVMCNVVGITPLPNNGSWSRVMCLKGRAST
 APPVWPSHCALALILLFLLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6318_c09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_153343

ORF Size: 1320 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_153343.4](#)

RefSeq Size: 3936 bp

RefSeq ORF: 1323 bp

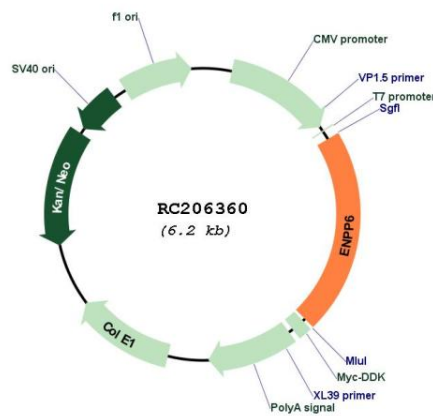
Locus ID: 133121

UniProt ID: [Q6UWR7](#)

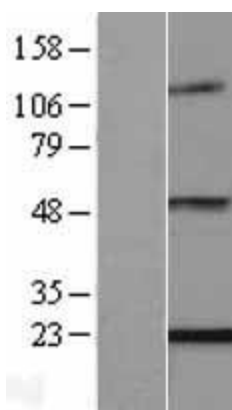
Cytogenetics: 4q35.1

Domains:	Phosphodiester
Protein Families:	Secreted Protein
Protein Pathways:	Ether lipid metabolism
MW:	50.2 kDa
Gene 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]

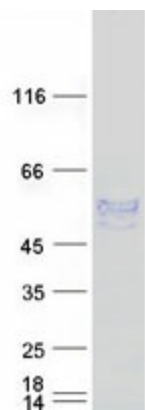
Product images:



Circular map for RC206360



Western blot validation of overexpression lysate (Cat# [LY407061]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206360 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).