

## Product datasheet for **MR207018**

### Enpp6 (NM\_177304) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp6 (NM_177304) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Enpp6
Synonyms:	4833421B01Rik; B830047L21Rik; D8Ertd514; D8Ertd514e; E-NPP 6; GPC-Cpde; N; Npp6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207018 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCAAAGCTCTGGACCTTCTGCTGGGCTTTGGGCTCAGCTGGGTGTGGCCGGCTTCTGCCACC  
 GGAAGCTCCTGGTGTGCTCCTGGATGGTTTTCGCTCAGACTACATCAGTGAGGATGCTCTAGCATCCTT  
 GCCTGGCTTCAGAGAGATTGTGAACAGAGGCGTCAAAGTGGATTACTTGACTCCAGACTTTCCAGCCTC  
 TCCTATCCCAATTACTACACCCTCATGACTGGCCGCACTGTGAGGTCCACCAGATGATCGGCAACTACA  
 TGTGGGATCCCAGAACCAACAAGTCATTTGACATCGGGGTCAACCGAGACAGCCTGATGCCCTGTGGTG  
 GAACGGGTGAGAACCCTGTGGATCACTCTGATGAAAGCCAGGAGAAAGTCTACATGTATTACTGGCCC  
 GGCTGTGAAGTTGAGATTCTTGGTGTGAGCAACTTACTGCCTAGAATATAAACTGTCCCAACAGATA  
 TCAACTTTGCGAATGCAGTTAGCGATGCTCTCGACTCATTAAAGAGTGGCCGAGCGGATCTAGCAGCCAT  
 ATACCATGAGCGCATCGATGTAGAAGGTCACTACTCGCCCTTCATCACCTCAGAGAAAAGATGCCCTC  
 AGAGCTGTGGACTGTCTGAAGTATATGATCCAGTGGATTGAGACCGAGGCCGTCAGCAGGACCTAA  
 ACGTCATCCTCTTCTCAGACCATGGGATGACTGACATCTTCTGGATGGATAAAGTATTGAGCTGAGCAA  
 CTACATCAGCCTGGACGACCTGCAGCAAGTGAAAGACCGAGGGCCCGTTGTGAGCCTGTGGCCAGTTCT  
 GGAAAACACTCTGAGATATACAAAACCCGCACAGTGGAAACATGACCGTGTATGAGAAAGAATCAA  
 TACCCAACAGGTTCTATTACAAGAAAGGAAAATTTGTCTCTCCTTTGACCCTGGTGGCTGATGAAGGATG  
 GTTCATAGCAGAGAGTCGAGAGATGCTTCCATTTTGGATGAACAGCACGGGAAGCGTGAAGGCTGGCAG  
 CGAGGATGGCACGGATATGACAACGAATCATGGACATGAGAGGCATCTTCTGGCCATCGGACCTGATT  
 TCAAGTCCAACCTCAGAGCTGCTCAATCAAATCCGTTGGATGTCTACAACATCATGTGCCATGTGCAGG  
 CATCACCCCACTGCCAACAACGGGTCTTGGTCCAGGGTGGTATGCATGCTGAAGGGCCAGACCAGCTCT  
 GCTCCACCCACCCACTGAACAGCTGTGCACTGGTCTTGATTCTCCTCTATACTTTGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207018 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAKLWTFLLGFGLSWWVPASAHKLLVLLLDGFRSDYISEDALASLPGFREIVNRGVKVDYLTDPDFPSL  
 SYPNYTLMTGRHCEVHQMIGNYMWDPRNKSFDIGVNRDSLMLPLWNGSEPLWITLMKARRKVVMYYWP  
 GCEVEILGVRPTYCLEYKTVPTDINFANAVSDALDSLKSGRADLAAIYHERIDVEGHYGPSSPQRKDAL  
 RAVDTVLYKMIQWIQDRGLQQDLNVILFSDHGMDIFWMDKVIELSNYISLDDLQQVKDRGPVSLWPVP  
 GKHSEIYHKLRTVEHMTVYEKESIPNRFYKKGKFSVPLTLVADEGWFIAESREMLPFWMNSTGKREGWQ  
 RGWHGYDNELMDMRGIFLAIGPDFKSNFRAAPIKSVDVYINIMCHVAGITPLPNNGSWSRVVCMKKGQTSS  
 APPTPLNSCALVLILLLYFV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_177304

**ORF Size:** 1323 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\\_177304.1](#), [NM\\_177304.2](#), [NM\\_177304.3](#), [NM\\_177304.4](#), [NP\\_796278.1](#)

**RefSeq Size:** 3065 bp

**RefSeq ORF:** 1323 bp

**Locus ID:** 320981

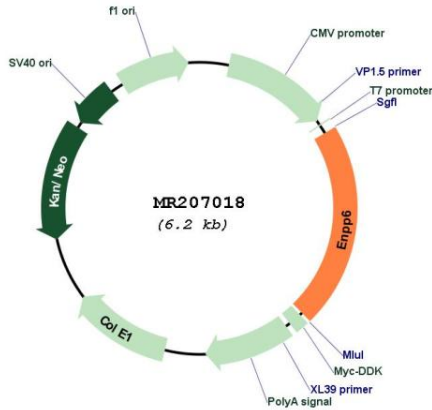
**UniProt ID:** [Q8BGN3](#)

**Cytogenetics:** 8 26.48 cM

**MW:** 50.6 kDa

**Gene Summary:** This gene encodes a member of the nucleotide pyrophosphatase/phosphodiesterase family of enzymes that play an important role in regulating extracellular nucleotide metabolism. The encoded preproprotein undergoes proteolytic processing to generate a glycosylphosphatidylinositol (GPI)-anchored membrane protein that hydrolyzes choline-containing lysophospholipids such as glycerophosphocholine. Mice lacking the encoded protein develop fatty liver and myelin sheath abnormalities. [provided by RefSeq, Jul 2016]

**Product images:**



Circular map for MR207018