

Product datasheet for **MG207018**

Enpp6 (NM_177304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp6 (NM_177304) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Enpp6
Synonyms:	4833421B01Rik; B830047L21Rik; D8Ertd514; D8Ertd514e; E-NPP 6; GPC-Cpde; N; Npp6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207018 representing NM_177304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAAAGCTCTGGACCTCCTGCTGGGCTTTGGGCTCAGCTGGGTGTGGCCGGCTTCTGCCACC
GGAAGCTCCTGGTGTGCTCCTGGATGGTTTTCGCTCAGACTACATCAGTGAGGATGCTCTAGCATCCTT
GCCTGGCTTCAGAGAGATTGTGAACAGAGGCGTCAAAGTGGATTACTTGACTCCAGACTTTCCAGCCTC
TCCTATCCAATTACTACACCCTCATGACTGGCCGCACTGTGAGGTCCACCAGATGATCGGCAACTACA
TGTGGGATCCCAGAACCAACAAGTCATTTGACATCGGGGTCAACCGAGACAGCCTGATGCCCTGTGGTG
GAACGGGTGAGAACCCTGTGGATCACTCTGATGAAAGCCAGGAGAAAGTCTACATGTATTACTGGCC
GGCTGTGAAGTTGAGATTCTTGGTGTGACACCACTTACTGCCTAGAATATAAACTGTCCCAACAGATA
TCAACTTTGCGAATGCAGTTAGCGATGCTCTGACTCATTAAAGAGTGGCCGAGCGGATCTAGCAGCCAT
ATACCATGAGCGCATCGATGTAGAAGGTCACCACTACGGCCCTTCATCACCTCAGAGAAAAGATGCCCTC
AGAGCTGTGGACACTGTCCTGAAGTATATGATCCAGTGGATTGAGGACCGAGGCTGCAGCAGGACCTAA
ACGTATCCTCTTCTCAGACCATGGGATGACTGACATCTTCTGGATGGATAAAGTATTGAGCTGAGCAA
CTACATCAGCCTGGACGACCTGCAGCAAGTAAAGACCGAGGGCCGTTGTGAGCCTGTGGCCAGTTCT
GGAAAACACTCTGAGATATATCACAACCTCCGCACAGTGAACACATGACCGTGTATGAGAAAGAATCAA
TACCCAACAGTTCTATTACAAGAAAGGAAAATTTGTCTCTCCTTTGACCCTGGTGGCTGATGAAGGATG
GTTTCATAGCAGAGAGTGCAGAGATGCTTCCATTTTGGATGAACAGCACGGCAAGCGTGAAGGCTGGCAG
CGAGGATGGCACGGATATGACAACGAACTCATGGACATGAGAGGCATCTTCTGGCCATCGGACCTGATT
TCAAGTCCAACCTCAGAGCTGCTCCAATCAAATCCGTGGATGTCTACAACATCATGTGCCATGTCGAGG
CATCACCCACTGCCAACAACGGTCTGGTCCAGGGTGGTATGCATGCTGAAGGGCCAGACCAGCTCT
GCTCCACCCACCCACTGAACAGCTGTGACTGGTCTTGATTCTCCTTATACTTTGTA

ACGCGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207018 representing NM_177304
 Red=Cloning site Green=Tags(s)

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MAAKLWTFLLGFGLSWVWPASAHKLLVLLLDGFRSDYISEDALASLPGFREIVNRGVKVDYLTPDFPSL
SYPNYYTLMTGRHCEVHQMIGNYMWDPRNTKSFDIGVNRDSLMPPLWNGSEPLWITLMKARRKVYYWYWP
GCEVEILGVRPTYCLEYKTVPTDINFANAVSDALDSLKSGRADLAAIYHERIDVEGHYGPSSPQRKDAL
RAVDTVLKYMIQWIQDRGLQQDLNVILFSDHGMDTIFWMDKVIELSNYISLDDLQQVKDRGPVVSLLWPVP
GKHSEIYHKLRRTVEHMTVYEKESIPNRFYKKGKGFVSPPLTLVADEGWFIAESREMLPFWMNSTGKREGWQ
RGWHGYDNELMDMRGIFLAIGPDFKSNFRAAPIKSVVDVYNIMCHVAGITPLPNNGSWSRVVCMKLGQTSS
APPTPLNSCALVLILLLYFV
  
```

TRTRPLE - GFP Tag - V

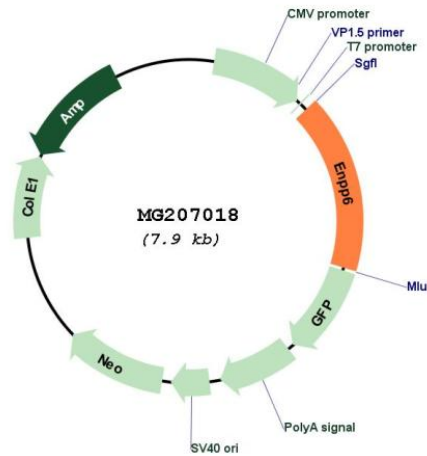
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_177304

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:	<ol style="list-style-type: none">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_177304.2 , NP_796278.1
RefSeq Size:	3066 bp
RefSeq ORF:	1323 bp
Locus ID:	320981
UniProt ID:	Q8BGN3
Cytogenetics:	8 26.48 cM
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]