OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC215887

Enpp6 (NM_177304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp6 (NM_177304) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF:

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>MC215887 representing NM_177304
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCAAAGCTCTGGACCTTCCTGCTGGGCTTTGGGCTCAGCTGGGTGTGGCCGGCTTCTGCCCACC
GGAAGCTCCTGGTGTTGCTCCTGGATGGTTTTCGCTCAGACTACATCAGTGAGGATGCTCTAGCATCCTT
GCCTGGCTTCAGAGAGATTGTGAACAGAGGCGTCAAAGTGGATTACTTGACTCCAGACTTTCCCAGCCTC
TCCTATCCCAATTACTACACCCTCATGACTGGCCGCCACTGTGAGGTCCACCAGATGATCGGCAACTACA
TGTGGGATCCCAGAACCAACAAGTCATTTGACATCGGGGTCAACCGAGACAGCCTGATGCCCCTGTGGTG
GAACGGGTCAGAACCGCTGTGGATCACTCTGATGAAAGCCAGGAGGAAAGTCTACATGTATTACTGGCCC
GGCTGTGAAGTTGAGATTCTTGGTGTCAGACCAACTTACTGCCTAGAATATAAAACTGTCCCAACAGATA
TCAACTTTGCGAATGCAGTTAGCGATGCTCTCGACTCATTAAAGAGTGGCCGAGCGGATCTAGCAGCCAT
ATACCATGAGCGCATCGATGTAGAAGGTCACCACTACGGCCCTTCATCACCTCAGAGAAAAGATGCCCTC
AGAGCTGTGGACACTGTCCTGAAGTATATGATCCAGTGGATTCAGGACCGAGGCCTGCAGCAGGACCTAA
ACGTCATCCTCTTCTCAGACCATGGGATGACTGACATCTTCTGGATGGATAAAGTGATTGAGCTGAGCAA
CTACATCAGCCTGGACGACCTGCAGCAAGTGAAAGACCGAGGGCCCGTTGTGAGCCTGTGGCCAGTTCCT
GGAAAACACTCTGAGATATATCACAAACTCCGCACAGTGGAACACATGACCGTGTATGAGAAAGAATCAA
TACCCAACAGGTTCTATTACAAGAAAGGAAAATTTGTCTCTCCTTTGACCCTGGTGGCTGATGAAGGATG
GTTCATAGCAGAGAGTCGAGAGATGCTTCCATTTTGGATGAACAGCACGGGCAAGCGTGAAGGCTGGCAG
CGAGGATGGCACGGATATGACAACGAACTCATGGACATGAGAGGCATCTTCCTGGCCATCGGACCTGATT
TCAAGTCCAACTTCAGAGCTGCTCCAATCAGATCCGTGGATGTCTACAACATCATGTGCCACGTCGCAGG
CATCACCCCACTGCCCAACAACGGGTCCTGGTCCAGGGTGGTATGCATGCTGAAGGGCCAGACCAGCTCT
GCTCCACCCACCCCACTGAACAGCTGTGCACTGGTCTTGATTCTCCTCTTATACTTTGTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_177304

Insert Size: 1323 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_177304.3, NP_796278.1

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RefSeq Size:	3065 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]

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