

Product datasheet for **MC221462**

Plppr4 (NM_177664) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plppr4 (NM_177664) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plppr4
Synonyms:	A330086D10; D3Bwg0562e; Lppr4; mKIAA0455; PRG-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221462 representing NM_177664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGCGCTGGTTCCAGCGGTGCCCGGGGAATGTGACATCAGCGCGCCGGGCGCTTGCGGCTGG
 AGCAGGCAGCTCGCCTCGGTGGCCGCACGGTGCACACCTCGCCGGGGGAGGACTTGAGCCCGGCAGGC
 GGCCGGGATGTCGGCGAAGGAGAGGCCAAAGGGCAAAGTGATCAAGGACAGCGTACCCTCCTGCCTGT
 TTTTATTTCTGTTGAGTTGCCTATATTGGCATCATCAGTGGTTAGCCTCTACTTCTTGAACTCACAGATG
 TCTTCAAACCTGTGACTCTGGATTGCTATGATAGGAGTCTTAGCATGCCGTACATTGAGCCAAC
 CCAGGAGGCCATACCATTCTTATGTTGCTTAGCTTGGCTTTTGTGGACCTGCAATTACGATCATGGT
 GGTGAAGGATTCTATACTGCTGCCTCTCCAAAAGAAGAAACGGAGCTGGATTGGAGCCTAACATCAACG
 CCGGAGGCTGCAACTTCAACTCCTTTCTCAGGAGAGCCGTGAGATTTCGTTGGTGTCCATGTGTTGGACT
 GTGCTCCACAGCTCTATTACAGATATCATAACAGCTCTCCACAGGATATCAGGCACCATACTTTCTGACT
 GTGTGCAAGCCAACTATACCTCTCTGAATGTATCCTGCAAGAAAACCTCTACATCGTGGGAAGATATT
 GTTCAGGATCTGACCTTACAGTCATCAACAGTGGCAGAAAAGTCATTCCCATCCCAACATGCGACCCCTCG
 TGCTTTGCCGCTGTGTATGTGTCCATGTACTTCAATTCCACATTAACCGATTCTCTAAGCTCCTGAAA
 CCTCTCTTGGTCTTACATTTATCATCTGTGGGATCATCTGCGGACTAACACGGATAACTCAATAAAGA
 ACCATCCAGTCGATGTCTATTGTGGCTTTTAAAGGAGGAGGAATCGCACTATATTTGGGCTGTATGC
 TGTAGGGAATTTCTGCCTAGTGAAGACAGTATGCTTCAGCACAGAGATGCCCTCAGGTCAGTACAGAC
 CTCAATCAAGACCCAGCAGGGTTTTATCAGCTAAAAATGGTAGCAGTGGTATGGAATTGCTCACACAG
 AGGGTATCCTCAACCGAAACCACAGGGATGCAAGCTCCTTGACAAATCTCAAGAGGGCCAACGCTGACG
 AGAAATCATCACTCTTAGGAGCCCATGGGGAAGGAAAGCATGGTGACCTTCAGCAACACGCTGCCCAGG
 GCAACACCCCTCCGTGGAAGACCCAGTGAGAAGAAATGCGAGCATCCATGCCTCTATGGATTCTGCC
 GGTCCAAACAGCTCCTTACCCAGTGGAAGAGCAAGAATGAGAGTCGTAAGATGTCCTACAGGTTATGGA
 CACTGAACCAGAAGGCCAGTCACCACCCAGGTCCATAGAAATGAGGTCCAGCTCAGAGCCCTCGAGGGTG
 GGGGTGAACGGAGATCCCATGTCCCGGCAATCAGTACCTCAAGATACAGCCTGGCACAGTCCCGGGT
 GCAACAATAGTATGCCGGGAGGGCCACGCGTGTCCATCCAGTCCCGCCTGGCTCTTCCCAATTGGTGCA
 CATCCCGAGGAGACCCAGGAAAACATAAGCACCTCGCCAAGAGCAGTTCTGCGCGAGCCAAGTGGCTG
 AAAGCAGCTGAGAAGACCGTGGCTGTAAACCGAGCAACAACCAGCCACGCATCATGCAGGTCATCGCCA
 TGTCCAAGCAGCAGGGCGTGTGAGAGCAGCCCAAGAATGCCGAAGGTAGCACTGTCACTGCACAGG
 CTCCATCCGCTACAAAACCTGACTGACCATGAGCCCAGCGGCATCGTGCGAGTGGAGGCTCATCCCGAG
 AACAACAGGCCCATATTAGATCCCGTCCGTCAGGGTGAAGGCAGCGGCTCCTGGAAGTGGAAAAG
 CTCCGGAGAAAAGTAGTCTGCGCAAACCTATGAGCTCAACGACCTCAACAGGGACTCAGAAAAGCTGTGA
 GTCCCTCAAAGACAGCTTTGGTCTGGAGATCGCAAAAGAAGCAACATCGACAGCAATGAGCACCACCAC
 CACGGCATCACCACCATCCGAGTGACCCCGGTGGAGGGCAGCGAGATAGGCTCAGAGACGCTGTCCGTGT
 CCTCCTCACGCGACTCCACCTGCGCAGGAAGGGCAACATCATCTTGATCCCGGAAAGAAGCAACAGCCC
 TGA AACACAAGAAACATCTTCTACAAAGGAACCTCCCCACGCGGGCTTATAAGGATTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_177664
Insert Size: 2301 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:	<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_177664.5 , NP_808332.3
RefSeq Size:	5690 bp
RefSeq ORF:	2301 bp
Locus ID:	229791
UniProt ID:	Q7TME0
Cytogenetics:	3 50.57 cM
Gene Summary:	Hydrolyzes lysophosphatidic acid (LPA). Facilitates axonal outgrowth during development and regenerative sprouting. In the outgrowing axons acts as an ecto-enzyme and attenuates phospholipid-induced axon collapse in neurons and facilitates outgrowth in the hippocampus (By similarity).[UniProtKB/Swiss-Prot Function]