

## Product datasheet for **MC204064**

### Plppr5 (NM\_029425) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plppr5 (NM_029425) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plppr5
Synonyms:	4833424O15Rik; Lppr5; Pap2d; PRG-5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC031879  
 GCGGTGTCGCGGATGCTCCCGAGCTGGGGCTGGGGACTCCCCGCCCTTGC GCGCGACCCCGCGGCCGGG  
 AGGCGGCGCTTGCAGCGGGCAGGGGGCGGGCAGGGCAGATGGGACTCGTCCGGGGGTAGCCTCCTCCTCT  
 GCATCCTGCCCGCGCATCCCGAAGCCAGTCGCATCCTCCGCCTTGCCTCGGCGGTGCCAGCCTCCGC  
 CTCGCGCCACCTCGGCTGCCGCCGCCCGCCCGCCGCCGCCCGCGTGGTGTGCCTCGGCGGAGCCCGG  
 AGGGGGCTGTGGCGGTGACCGCCCGCTCGGCTCGGCTTGGCCAGGAGCGTGCATGCCCTGCTGCC  
 CGTGGCGCTCATCAGCAGCATGCTCTATTTCCAGATGGTGCATGTCAGGGACGGTGCATGCTGGCTTAC  
 TACTTCGAATACACAGACACGTTCACTGTGAACGTGCAGGGATTCTTCTGCCACGACAGCGCTACCGTA  
 AGCCCTACCCGGGCCAGAGGACAGCAGCGGGTGCCTTACTCGCTGGCCGCTGGCGT  
 CCCGGTGTGTGATAATAGTTGGAGAACTGCAGTGTTCCTGCAATTAGCCACAAGAGATTTTGAA  
 AACAGGAAAAAACATTTAACTGGAGATTGTTGCTATATAAACCCTGGTACGCCGAACCGTCCGAT  
 TTCTTGAATTTATGCATTTGGACTGTTTGTACAGATATCTTTGTAATGCTGGCAAGTGTTACAGG  
 AAACCTAGCTCCACACTTCTGGCTTTGTGAAGCCAACTACACAGCGCTCGGATGTCAGCAGTACACA  
 CAGTTTATCAGTGGGAGGAAGCATGCACAGGCAACCCAGACCTCATCATGCGAGCACGAAAACATTCC  
 CATCCAAGGAAGCTGCCCTGAGTGTCTACGCTGCCACGTATCTGACGATGTACATTACCAGCACTATCAA  
 AGCCAAAGGAACAGACTTGCTAAGCCTGTCTGTGCTTGGGATTAATGTGTTTGGCCTTTCTTACTGGA  
 CTCAACAGAGTAGCGGAATATCGAAATCATTGGTCAGATGTGATAGCAGGCTTCCAGTCCGAATATCTA  
 TAGCAGTATTTCTGGTTGTATGCGTGGTAAACAATTTAAAGGAAGACAACCCAGAAAATGGGCATATACA  
 CAGGGACAATGTGGCCCGGATGCCAATGACCAACATTCCTCGAGTAGAAAGCCCTTTGAAAAGAACCAC  
 GTCAGTGCCTTTGCGGAAGTCACATGATGTTGAAGCAGACGGTTTTTCCCTGCAGTGGACATCATCCCTA  
 TTTACCATACATTATAACAGAGTTTATTTGATTACACAGGAAATTTATAAAGATGTAGGACACTTTTTA  
 TAATTTTAAAACCTTGACAGCACCTCTCTGCCCGCCCTCCACGAGACTGTGAGCTCCTCAAGAGCAGG  
 ACCATGGCTTCTCTTCTGCATCCCGCCACCCACGACAAAGCCAGCACAAAGTGTGGTGTTCAGTGA  
 AAACACGATGATAAAACGAACAAGTCAACTCTTAAATAAAATGGTTGCTTTAGTTTCTCAAAAAGAACT  
 CTGTGACTATGTGAAAGAAACCCACATGGGTTATATTTGTATAAAAGAAACCTCTATTTTGGGCTA  
 GTTAAGTCTTTTTAATTTTTCATATATCTATTCAGCAGTATAGCATATTTAATTTGAAGTGAATTTGAA  
 AGTTCTGGGGACTTTTTATTATGCAGCATGACATTATTTCCATTTAACAGATTTCAAGTGTGGAATCA  
 CTTTACTTTTAGAAAGTATGCTCTATACTAAATTTGTTGCTCATTATATTATGCTATATTTCACTTAAAA  
 CACCATTACTACTACATTTCTAAGACTGGTGTCTCTGCTTTTAAAGGGGAAAATGCCAATTTTTACTGT  
 CACTGAGTAATGTATCATAATTTAAATTTATTTTGGACTTTTTCTTTGACAGTGTGGTTAATGGTT  
 GTGCTGCAATTTTTTTAATGCAGGCAATTTTGAATACATTAAGGTAATCCAGCCATGATACCTTGT  
 TATTGAGTAGCCTTCCATCATTAAACAGTGTCTCAAATGGCTATGGTCCATTATTAATTTTCTAATTGG  
 TCCAGAACTCAAATAATTTAAATGAGAAAGAACCCACCTTAAAACTACTATCATGAAAATACTAGAAATA  
 TGATTAATGTATTTTGAATTTGCTAATACTTTAATTAACGTATTTATAGTTATCATTTAATCCTTAT  
 GGCAATCCTGTATAAATATTGAAAGATGACTTTATTTACATATGATAAAAAATAAGCCAAGACTGATAAC  
 ATGCCAGTCCATACCACTAGTCAAGGGAAGAGTTAAATCTAAATTCAGATTTACCCTGAAACTCTTATT  
 TTTCTCAAATATGCCACAGTTGCCTCAACATTCATGCACTGAGGCCATTAAGAGGCCATTAGGGTCTG  
 AGAAACTACCTATCTTTAAGAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_029425
- Insert Size:** 951 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:** [BC031879](#), [AAH31879](#)

**RefSeq Size:** 2555 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 75769

**UniProt ID:** [Q8BJ52](#)

**Cytogenetics:** 3 G1

**Gene Summary:** Induces filopodia formation and promotes neurite growth in a CDC42-independent manner; impedes neurite growth inhibitory-mediated axonal retraction.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.