

## Product datasheet for MC212286

### Plpbp (NM\_054057) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Plpbp (NM\_054057) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Plpbp  
**Synonyms:** 1700024N20Rik; 2200002F22Rik; Prosc  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212286 representing NM\_054057  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGAGAGGTGGCAGCATGACGGCGGAGCTGGGAGTCGGGTTTCGCGCTGCGGGCCGTGAACGAGCGAG  
 TCCAGCAGAGTGTGGCGCGGCCGCGGGACCTCCAGCCATCCAACCCGGCTCGTTGCGGTGAGCAA  
 AACAAAACCTGCAGACATGGTGATCGAGGCCTATGGCCACGGCCAGCGCACTTTTGGAGAGAAGTATGTT  
 CAGGAACTACTAGAAAAAGCATCAAACCTAAGATTCTGTCTTCCTGTCCCGAGATCAAGTGGCACTTCA  
 TTGGTCATTTACAGAAAACAAACGTCACAAACTGATGGCCGTCCCAACCTCTCTATGCTGAAAACCGT  
 AGACTCGGTGAAGCTGGCAGACAAGGTGAATAGCTCCTGGCAGAAGAAAGGTCTACAGAACCACTGAAG  
 GTGATGGTCCAGATTAACACCAGCGGAGAGGACAGTAAACACGGCCTGCTGCCTTCAGAGACCATAGCTG  
 TCGTGGAACACATAAAGGCCAGTTGTCCAGCCTGGAGTTCGTGGGTCTCATGACCATAGGAAGCTTTGG  
 ACATGATCTAAGTCAAGGACCAACCCAGACTTCCAGAGGCTGCTGACCTGCGGCGGGAGCTGTGTGAA  
 AAGCTGGCATTCCGGTGGAGCAGGTGGAAGTTCAGATGGCATGTCCATGGACTTCCAGCATGCTATTG  
 AAGTAGGATCTACAAATGTCCGGATAGGGAGCACTATTTTGGAGAGCGGGACTACTCAAAGAAGCCTGC  
 CCTAGACAAGACAGCAGACGCGAAGGCCTCAGTACCACTGGTGAAGGACACT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_054057  
**Insert Size:** 825 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_054057.4</a> , <a href="#">NP_473398.1</a>
<b>RefSeq Size:</b>	3619 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	114863
<b>UniProt ID:</b>	<a href="#">Q9Z2Y8</a>
<b>Cytogenetics:</b>	8 A2
<b>Gene Summary:</b>	<p>Pyridoxal 5'-phosphate (PLP)-binding protein, which may be involved in intracellular homeostatic regulation of pyridoxal 5'-phosphate (PLP), the active form of vitamin B6. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice junction in the 3' end compared to variant 4. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform d.</p>