

## Product datasheet for **MC207845**

### Plpbp (NM\_001039078) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Plpbp (NM\_001039078) 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:** >MC207845 representing NM\_001039078  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTGAGAGGTGGCAGCATGACGGCGGAGCTGGGAGTCGGGTTTCGCGCTGCGGGCCGTGAACGAGCGAG  
TCCAGCAGAGTGTGGCGCGCGGCCGCGGGACCTCCAGCCATCCAACCCGGCTCGTTGCGGTGAGCAA  
AACAAAACCTGCAGACATGGTGATCGAGGCCTATGGCCACGGCCAGCGCACTTTTGGAGAGAAGTATATT  
CTGTCTTCTGTCCCGAGATCAAGTGGCACTTCATTGGTCATTTACAGAAACAAAACGTCACAAAAGTGA  
TGGCCGTCACCAACCTCTCTATGCTGAAACCGTAGACTCGGTGAAGCTGGCAGACAAGGTGAATAGCTC  
CTGGCAGAAGAAAGTCTCTACAGAACCCTGAAGGTGATGGTCCAGATTAACACCAGCGGAGAGGACAGT  
AAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001039078  
**Insert Size:** 426 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).



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<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>	<u>NM_001039078.2</u> , <u>NP_001034167.1</u>
<b>RefSeq Size:</b>	1427 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	114863
<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 (3) uses a different splice site in the 3' coding region and lacks several segments in the coding region, compared to variant 4. The resulting protein (isoform c) has a shorter and distinct C-terminus when it is compared to isoform d.</p>