

## Product datasheet for MC227212

### PPP1R8 (NM\_001290725) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppp1r8 (NM\_001290725) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ppp1r8  
**Synonyms:** 6330548N22Rik; AU044684; NIPP1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227212 representing NM\_001290725  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCAGCCGTGAACCTCCGGCTCCAGCCTCCCGCTGTTTCGACTGCCCGACTTGGGCAGGTAACCAC  
 CACCTGGCTTACATCTGGATGTGGTGAAGGAGACAAGCTAATTGAGAAGCTGATTATTGATGAGAAAAA  
 GTATTACTTATTTGGGAGGAACCCCGATCTGTGTGACTTCACTATCGACCACCAGTCATGCTCTCGAGTC  
 CACGCAGCGCTGGTGTACCACAAACACCTGAAGAGAGTTTTCTTGATAGACCTCAACAGCACACATGGCA  
 CTTTCTTGGGTACATTCGGCTGGAACCTCACAAGCCTCAACAGATTCCCATCGATTCTACGGTCTCATT  
 TGGCGCGTCCACGAGGGCATACACTCTGCGAGAGAAGCCTCAGACATTGCCATCGGCTGTGAAAGGAGAT  
 GAGAAGATGGGCGGAGAGGATGATGAACTCAAGGGCTTGTGGGACTTCCCGAAGAGGAGACCGAGCTGG  
 ATAACCTGACAGAGTTCAACACTGCCACAACAAGCGATTTCAACCTCACTATTGAGGAGGGGAACCT  
 GGACATCCAGAGACCAAGAGGAAGAGGAAGAAGCTCAAGGGTGACCTTCAGTGAGGATGACGAGATCATC  
 AACCCAGAGGACGTGGATCCGTCTGTTGGTCCGGTCCGGAACATGGTGCAGACAGCAGTGGTTCCAGTCA  
 AGAAGCGGATGGAGGGCTCTGGCTCTCTGGCCCTGGAGGAGTCCGGGAGCAGGCGCATGCAGAACCTTTC  
 CTTCAAGTGGAGGACTATATGGGGGCTGCCCCACACACAGTGAACCGGCTCCAGCCGCATGGCATT  
 CATGGGACAGCGCTCATTGGTGGCTTGGCCATGCCATACCCGAACCTCGCCCTGATGTGGACTTGACTC  
 CTGTTGTGCCATCAGCAGTGGCCATAAATCCCACACAAACCCTGCAGTCTATAACCCTGAGGCTGTGAA  
 TGAACCCAAGAAGAAGAAATACGCGAAGGAGGCTTGGCCGGGCAAGAAGCCACACCTTCTTACTGATT  
 TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290725



<b>Insert Size:</b>	1053 bp
<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001290725.1</a></u> , <u><a href="#">NP_001277654.1</a></u>
<b>RefSeq Size:</b>	2057 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	100336
<b>UniProt ID:</b>	<u><a href="#">Q8R3G1</a></u>
<b>Cytogenetics:</b>	4 D2.3
<b>Gene Summary:</b>	<p>Inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates. May also be involved in pre-mRNA splicing. Binds DNA and might act as a transcriptional repressor. Essential for cell proliferation and early embryonic development.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform 2, which is shorter by an amino acid, compared to isoform 1.</p>