

## Product datasheet for **RN200115**

### Plod2 (NM\_001142915) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plod2 (NM_001142915) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plod2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200115 representing NM\_001142915  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGACCGCGGAGTGAGGCTGGGGCTGCTGATGCCCATGCTCGCCCTGCTCTCTGGGCGGCTAGCC  
 TGGCGTAGCGGAGGAGACTCCCTCGCGCATCCCAGCAGATAAGTTATTAGTCATAACTGTAGCAACCAA  
 AGAAAACGATGGATTCCACAGATTTATGAATTCAGCCAAGTATTTCAATTATACTGTGAAGTTCTTGTT  
 CAAGGGCAAGAGTGGAGAGGTGGTATGGGATGAACAGTATTGGAGGGGGCCAGAAGGTGAGATTAATGA  
 AAGAAGCCATGGAGCACTACGCCGGTCAGGACGATCTGGTCATCTTGTACTGAATGTTTTGATGTTAT  
 ATTTGCTGGTGGCCTGAAGAACTTCTTAAAAAGTTCCAAAAGACAAATCATAAAATCGTCTTTCAGCG  
 GATGCGCTGTTGTGGCCAGATAAGCGGCTGGCAGACAAGTATCCTGGTGTGCACATTGGGAAACGCTACC  
 TGAATTCGGAGGCTTTATTGGCTATGCTCCCTACATCAGCCGCTGGTCCAGCAGTGGGATCTGCAGGA  
 TAATGATGACGACCAGCTCTTTACACTAAAGTTACATCGACCCGCTGAAAAGGGAAGCTTTAACATC  
 ACATTGGATCACAGATGCAAAATTTCCAGGCCTGAATGGAGCTACAGACGAAGTTGTTTTAAAGTTTG  
 AAAATGGTAAAAGCAGAGTGAAGAATACATTTTATGAAACACTGCCAGTGGCCATCAATGGGAATGGGCC  
 CACCAAAATCTCTTGAATTACTTTGAAAATGTTCCAAATTCATGGACACAGGAAAATGGCTGTGCT  
 CTTTGTGACTTTGACACAATTGACCTGTCTACAGTAGATGTCTATCCGAAGGTAACACTAGGTGTTTTTA  
 TTGAACAACCAACCCCTTTCTACCTCGGTTCTGGACTACTGTTAACACTGGATTACCCTAAAGAAGC  
 ACTTCGACTCTTTGTCCATAATAAAGAAGTTTATCATGAAAAGGACATCAAAGCGTTTGTGATAAAGCT  
 AAACACGACATCAGCTCTATAAAAATAGTAGGACCAGAGGAAAATCTAAGTCAAGCGGAAGCCAGAAA  
 TGGGAATGGATTCTGCCCTCAGGATGAAAAGTGTGATTACTACTTTAGTGTGGATGCAGATGTTGTTTT  
 GACAAACCAAGAAGCTTTAAAAATTTTGATTGAACAAAACAGGAAGATCATTGCCCTCTTGTGACACGT  
 CATGAAAAGTTGTGGTCCAATTCTGGGAGCCCTGAGTCTGATGGATACTATGCTCGTTCTGAAGATT  
 ACGTAGATATCGTTCAGGAAAACAGAGTAGGAATATGGAATGTCCCATACATGGTAATGTGACTTAAT  
 TCAAGGGAAGACGCTGCGATCAGAGATGAGTGAAGGAATTTTTGTGCGTGATAAGTTGGATCCCGAC  
 ATGTCTCTGCGCAATGCTCGAGACATGGGTGTGTTTATGTACATTTCTAACAGACATGAATTTGGAC  
 GACTGATATCACTGCTAATTACAACACTTCCCATCTCAACAATGACCTCTGGCAGATTTTTGAAAATCC  
 CGTGGATTGGAAGGAAAATATATAAACCGTGACTATTCAAAGATTTTCACTGAAAATATAGTCGAGCAG  
 CCCTGTCCAGATGCTTCTGGTTTCCCATATTTTCTGAACGAGCCTGTGACGAGTTGGTAGAAGAAATGG  
 AACATTACGGCAAGTGGTCCGGGGAAAGCATCATGACAGCCGTATATCTGGTGGCTATGAAAATGTCCC  
 AACGGATGACATTCATATGAAGCAGATTGACCTGGAGAACGTCTGGCTCACTTTATCCGAGAGTTATC  
 GCTCCAGTTACCCTGAAGGTCTTCGCGGGATATTACACCAAGGGATTTGCCCTGCTGAACTTCGTAGTGA  
 AGTACTCGCCGAAAGACAGCGCTCGCTCCGGCCTCACCACGATGCGTCAACCTTACCATCAACATTGC  
 TCTAAATAATGTAGGAGAGGATTTTCAGGGAGGTGGATGCAAATTCCTAAGGTATAATTGCTCCATCGAA  
 TCCCCCGAAAAGGCTGGAGCTTCATGCATCCTGGGAGGCTTACTCATCTACACGAAGGGCTTCTGTCA  
 AAAATGGAACAAGATACATTGCAGTCTCATTATCGATCCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001142915

**Insert Size:** 2214 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).

<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_001142915.1, NP_001136387.1</u>
<b>RefSeq Size:</b>	3609 bp
<b>RefSeq ORF:</b>	2214 bp
<b>Locus ID:</b>	300901
<b>Cytogenetics:</b>	8q31