

Product datasheet for **RN200114**

Plod2 (NM_175869) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Plod2 (NM_175869) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Plod2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN200114 representing NM_175869
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACCGCGGAGTGAGGCTGGGGCTGCTGATGCCCATGCTCGCCCTGCTCTCTGGGCGGCTAGCC
 TGGCGTAGCGGAGGAGACTCCCTCGCGCATCCCAGCAGATAAGTTATTAGTCATAACTGTAGCAACCAA
 AGAAAACGATGGATTCCACAGATTTATGAATTCAGCCAAGTATTTCAATTATACTGTGAAGTTCTTGGT
 CAAGGGCAAGAGTGGAGAGGTGGTATGGGATGAACAGTATTGGAGGGGCCAGAAGGTGAGATTAATGA
 AAGAAGCCATGGAGCACTACGCCGGTCAGGACGATCTGGTCATCTTGTACTGAATGTTTTGATGTTAT
 ATTTGCTGGTGGCCTGAAGAACTTCTTAAAAAGTTCCAAAAGACAAATCATAAAATCGTCTTTCAGCG
 GATGCGCTGTTGTGGCCAGATAAGCGGCTGGCAGACAAGTATCCTGGTGTGCACATTGGGAAACGCTACC
 TGAATTCGGAGGCTTTATTGGCTATGCTCCCTACATCAGCCGCTGGTCCAGCAGTGGGATCTGCAGGA
 TAATGATGACGACCAGCTCTTTTACACTAAAGTTTACATCGACCCGCTGAAAAGGGAAGCTTTAACATC
 ACATTGGATCACAGATGCAAAATTTCCAGGCCTGAATGGAGCTACAGACGAAGTTGTTTTAAAGTTTG
 AAAATGGTAAAAGCAGAGTGAAGAATACATTTTATGAAACACTGCCAGTGGCCATCAATGGGAATGGGCC
 CACCAAAATCTCTTGAATTACTTTGAAAATGTTTCCAAATTCATGGACACAGGAAAATGGCTGTGCT
 CTTTGTGACTTTGACACAATTGACCTGTCTACAGTAGATGTCTATCCGAAGGTAACACTAGGTGTTTTTA
 TTGAACAACCAACCCCTTTCTACCTCGGTTCTGGACTTACTGTTAACACTGGATTACCCTAAAGAAGC
 ACTTCGACTCTTTGTCCATAATAAAGAAGTTTATCATGAAAAGGACATCAAAGCGTTTGTGATAAAGCT
 AAACACGACATCAGCTCTATAAAAAATAGTAGGACCAGAGGAAAATCTAAGTCAAGCGGAAGCCAGAAACA
 TGGGAATGGATTCTGCCGTCAGGATGAAAAGTGTGATTACTACTTTAGTGTGGATGCAGATGTTGTTTT
 GACAAACCAAGAACTTTAAAAATTTTGATTGAACAAAACAGGAAGATCATTGCCCTCTGTGACACGT
 CATGAAAAGTTGTGTTCCAATTCTGGGAGCCCTGAGTCTGATGGATACTATGCTCGTTCTGAAGATT
 ACGTAGATATCGTTCAGGAAAACAGAGTAGGAATATGGAATGTCCCATACATGGTAATGTGTAATAAT
 TCAAGGGAAGACGCTGCGATCAGAGATGAGTGAAGGAATTTTTGTGCGTGATAAGTTGGATCCCGAC
 ATGTCTCTGCGCAATGCTCGAGACATGACCTTACAAAGGAAAAAGACTCCCCACTCCGAAAACAT
 TCCAAATGCTCAGCCCCCAAAGGGTGTGTTTATGTACATTTCTAACAGACATGAATTTGGACGACTGAT
 ATCAACTGCTAATTACAACACTCCCATCTCAACAATGACCTCTGGCAGATTTTTGAAAATCCCGTGGAT
 TGGAAAGAAAAATATATAAACCGTGACTATTCAAAGATTTTCACTGAAAAATATAGTCGAGCAGCCCTGTC
 CAGATGCTTCTGGTTTCCCATATTTTCTGAACGAGCCTGTGACGAGTTGGTAGAAGAAATGGAACATTA
 CGCAAGTGGTCCGGGGAAAGCATCATGACAGCCGTATATCTGGTGGCTATGAAAATGTCCCAACGGAT
 GACATTCATATGAAGCAGATTGACCTGGAGAACGTCTGGCTTCACTTTATCCGAGAGTTTATCGCTCCAG
 TTACCCTGAAGGTCTTCGCGGATATTACACCAAGGATTTGCCCTGCTGAACCTCGTAGTGAAGTACTC
 GCCCGAAAGACAGCGCTCGCTCCGGCCTACCACGATGCGTCAACCTTACCATCAACATTGCTCTAAAT
 AATGTAGGAGAGGATTTTCAAGGAGGTGGATGCAAATTCCTAAGGTATAATTGCTCCATCGAATCCCCC
 GAAAAGGCTGGAGCTTCATGCATCTGGGAGGCTTACTCATCTACACGAAGGGCTTCTGTCAAAAATGG
 AACAAGATACATTGCAGTCTCATTATCGATCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_175869

Insert Size: 2277 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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| 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: | <ol style="list-style-type: none">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: | <u>NM_175869.3</u> , <u>NP_787065.2</u> |
| RefSeq Size: | 3672 bp |
| RefSeq ORF: | 2277 bp |
| Locus ID: | 300901 |
| Cytogenetics: | 8q31 |