

Product datasheet for **RN215422**

Plod1 (NM_053827) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plod1 (NM_053827) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plod1
Synonyms:	Plod
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215422 representing NM_053827
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGTCCCTGTGCTCCTGGCCTCGCTGGCCTGGCTTCTTCTGCCCCAGGCGAAGGACGACGCCAAGC
 TGGAGGACAACCTTTTGGTCCTCACCGTGGCCACAAAAGAGACAGAGGGCTTCCGCCGATTCAAGCGCTC
 AGCCCAAGTTCTTCAACTACAAGATCCAGTCACTGGGCCTGGGGGAGGACTGGAGCGCGGCCGGGGACCA
 TCGGCAGCAGGTGGAGGACAGAAGGTTCCGGCTGCTGAAGAAGGCACTGAAAAAGTATGCAGACAAGGAAG
 ACCTGGTTATTCTCTTGGTTGACAGCTATGACGTGGTGTTCCTCGGGACCCCGGAACTCTTAAAGAA
 GTTCCAGCAGGCCAAGAGCCGGTGGTCTTCTCAGCAGAGGAGCTTATCTACCCTGACCGGAGGCTGGAG
 GCCAAGTATCCACAGTCCCGATGGCAAACGATTCTTGGGCTCTGGAGGCTTCATTGGTTATGCTCCCA
 GCCTCAGCAAACCTGGTGGCCGAGTGGGAGGGCCAGGACAATGACAGCGACCAGCTCTTTTATACCAAGAT
 CTTCTTGGACCCGAGAAGAGGGAGCAAATCAATATCAGCCTGGACCATCGCTGCCGAATCTTCCAGAAC
 CTGGATGGAGCCTTGGATGAAGTCGACTCAAGTTTGAATGGGCCACGTGAGAGCCCGGAATCTGGCCT
 ATGACACCCTCCCAAGTGGTCATCCACGGCAACGGGCCACCAAGCTGCAGGTGAACTACCTGGGCAACTA
 CATTCTCGATTCTGGACCTTCGAAACGGGCTGCACCGTGTGCGACGAGGGCCTGCGAAGCCTCAAGGGC
 ATTGGGGATGAAGCTCTCCCTACCGTCTGGTCCGTGTGTTTCATTGAGCAGCCCACACCATTCTATCCT
 TGTTCTTTTCGGCGGCTGCTGCACCTACGATACCCTCAGAAACAGATGCGGCTCTTCATTACAACCAAGA
 ACAGCACCACAAGCTTCAGGTAGAGCAGTTCCTGGCAGAGCACGGCGGTGAGTACCAGTCTGTGAAGCTA
 GTGGGTCCCGAGGTACGCATGGCCAACGCAGACGCCAGGAACATGGGCGCCGACCTGTGCCCGCAGGATC
 AAACATGCACCTACTACTTCAGTGTGGATGCTGACGTGGCCCTGACCGAGCCGAACACGCTACGGCTCTC
 GATTGAGCAAAAACAAGAATGTCTTGTCTCACTCATGACCCGTACGGGAGGCTCTGGTCCAACCTCTGG
 GGGCACTGAGTGCAGTGGTACTACGCCGCTCGGAGGACTACGTGGACATCGTGCAGGGCCGTCGTG
 TTGGCCTGGAATGTGCCTTACATCTCAAACATCTACCTGATCAAGGGCAGTGCCTGCGGGCCGAGCT
 GCGGCACGTAGACCTGTTCCACTACAGCAAGCTGGATCCTGACATGAGTTTCTGCGCCAATGTCCGACAG
 CAGGAGGTGTTTCATGTTCTGACCAACCGGCATACCTTTGGCCACCTGCTGTCGCTGGATAATTACCAGA
 CCACCCACCTACATAATGATCTCTGGGAGGTGTTGAGCAACCTGAGGATTGGAAGAGAAGTACATCCA
 CGAGAATTACACCAAGGCCCTGGCAGGGAAGCTGGTGGAGACGCCTTGTCCGGATGTCTACTGGTCCCC
 ATCTTCACGGAGGTGGCCTGTGATGAGCTGGTGGAGGAAATGGAACACTACGGCCAAATGGTCTCTGGGTG
 ACAATAAGGACAACCGTATCCAGGGTGGCTATGAAAACGTGCCCACTATTGACATCCACATGAACAGAT
 CACCTTCGAGCGGGAGTGGCACAAGTTCCTGGTGGAGTACATCGCCCCCTGACAGAGAAGCTGTACCCC
 GGCTACTACACCAAGGCCAGTTTGTCTAGCCTTCGTCGTCGCTATAAGCCTGATGAGCAGCCTTCTCT
 TGATGCCTCACCATGACGCCTCTACTTTACCATCAACATAGCCCTGAACAGGGTTGGGGAAGATTATGA
 GGGTGGAGGTTGCCGATTTCTACGCTACAACCTGCTCCGTGAGAGCCCCAAGGAAGGGCTGGGCCCTCATG
 CACCCCGGGCGGCTCACACACTACCACGAGGGGCTTCCCACTACCAAGGGTACCCGCTACATTGCCGTGT
 CCTTCGTCGATCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053827
Insert Size: 2187 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).

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_053827.2, NP_446279.2</u>
RefSeq Size:	2912 bp
RefSeq ORF:	2187 bp
Locus ID:	116552
Cytogenetics:	5q36
Gene Summary:	catalyzes the hydroxylation of lysine residues in procollagen to form hydroxylysine [RGD, Feb 2006]