

Product datasheet for **RN213809**

Plod3 (NM_178101) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plod3 (NM_178101) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plod3
Synonyms:	MGC93055
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213809 representing NM_178101
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCGTCAGTCCCAGAACCCGGCTTTTGTCTCTGCTCCTGCTGCTGCTGCCGCCGCTGCCCCGG
 TAACTTCTGCCTCCGATCGACCCCGGGCGCCAATCCTGTCAACCCTGACAACTGCTGGTGATCACCGT
 GGCTACAGCAGAGACAGAGGGGTACCGCGTTTTCTGCAGTCTGCCGAGTTCTTTAACTACACTGTACGG
 ACCCTGGGACTGGGACAGGAGTGGCAGGGGGTGTGTCGCCGAACAGTCGGTGGAGGCCAGAAGGTCA
 GGTGGCTCAAGAAGGAAATGGAGAAATATGCGAGTCAGGAGGACATGATCATCATGTTTGTGGACAGCTA
 CGATGTGATTCTGGCAGCAGCCCAACAGAGCTGCTGAAGAAGTTTGTTCAGAGTGGCAGTCATCTGCTG
 TTCTCCGCTGAGAGCTTCTGCTGGCCTGACTGGGGCTGGCAGAGCAGTACCCTGAGGTGGGCGTGGGGA
 AGCGCTTCTCAACTCTGGTGGATTCTTGGCTTCGCTCCACCATCCATCGGATTGTCCGCCAGTGAA
 GTACAAGGACGACGATGATCAGTTGTCTATACTCAACTCTACCTGGACCCAGGGCTCGGGAGAAA
 CTAAACTTAGCCTGGACCATAAATCCCGGATCTTCCAGAACCTCAATGGAGCCTTAGATGAAGTGGTCT
 TAAAGTTCGACCAGAACCGTGTGCGCATCCGAAATGTGGCCTACGACACGCTTCTGTTGTGGTCCATGG
 CAACGGTCCCCTAAGCTCCAGCTTAACTACCTGGGAACTATGTCCCAATGGCTGGACTCCCCAGGGA
 GGCTGTGGATTCTGCAACTTGAACCGGAGGACACTCCCGGGGGGGCAGCCTCCCCCGGGTGTCTTCTGG
 CCGTGTGGTGGAGCAGCCACTCCCTTCTACCTCGGTTCTGCAGCGCCTACTGCTCTGGATTACCC
 GCCGGACAGGATCTCTTTTCTTCAACAACGAGGTGTACCACGAGCCTCACATTGCAGATGCCTGG
 CCACAGCTCCAGGACCACTTCTCAGCTGTAAAGCTAGTGGGGCCAGAGGAGGCCCTGAGCTCAGGGGAGG
 CCAGGGACATGGCCATGGATAGCTGTCCGACAGAACCCGAGTGTGAGTTCTACTTTAGCCTGGATGCCGA
 TGCTGTCTCACGAACCCGGAGACCTTGGGTATCTTGATTGAACAAAACAGGAAGGTAATAGCTCCCATG
 CTTTCTGCCACGCAAGCTCTGGTCCAACCTTCTGGGGGCCCTGAGCCCGATGAGTACTATGCCCGCT
 CCGAAGACTACGTGGAATTGGTGCAGCGGAAGCGAGTGGGCTTGTGGAATGTACCCTACATATCCCAGGC
 ATATGTGATCCGAGGAGAGACCCTGAGGACAGAGCTCCCCGAAAAGGAAGTATTCTCCAGCAGCGACACA
 GACCCAGATATGGCTTCTGCAGGAGTGTCCGGGACAAGGGCATCTTCTGCACCTCAGCAATCAGCAG
 AGTTTGGCCGGCTGCTGTCTACTTCCACTATGACACTGACCACTTACACCCGGACCTCTGGCAGATCTT
 TGACAACCCTGTGGACTGGAGAGAACAGTACATCCATGAGAACTACAGCCGGGCCCTGGATGGGGAGGGG
 CTGGTAGAACAGCCATGCCAGATGTGTACTGGTTCCTGCTGACCGAGCAGATGTGTGATGAGCTGG
 TGGAGGAAATGGAACACTATGGCCAGTGGTCTGGAGGCCGGCATGAGGACTCCAGTTGGCTGGAGGGTA
 TGAGAATGTTCCACCGTGGACATCCACATGAAGCAGGTGGGGTACGAGGACCAGTGGCTTCAGCTGCTG
 AGGACATATGTGGGGCCATGACGGAGCACCTGTTTCTGGCTACCACACCAAGACACGGGCAGTGATGA
 ACTTTGTGGTCCGCTACCGGCCAGATGAGCAGCCCTCACTTCGGCCACACCATGACTCGTCCACCTTAC
 GCTCAACGTTGCCCTCAATCACAAGGTGTAGATTATGAGGGAGGTGGCTGCCGCTTCTGAGGTACGAC
 TGCAGAGTCTATCCCCGAGGAAGGGCTGGGCTCTCCTGCACCCTGGTCGCTCACACACTACCACGAGG
 GGCTGCCACCACCAGGGAACTCGATACATCATGGTGTCTTTCGTTGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178101
Insert Size: 2226 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_178101.3</u> , <u>NP_835202.2</u>
RefSeq Size:	2775 bp
RefSeq ORF:	2226 bp
Locus ID:	288583
UniProt ID:	<u>Q5U367</u>
Cytogenetics:	12q12
Gene Summary:	catalyzes hydroxylation of helical lysine residues and glycosylation of hydroxylysines in collagen; mediates collagen biosynthesis [RGD, Feb 2006]