

Product datasheet for **RN210156**

Pth1r (NM_020073) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pth1r (NM_020073) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pth1r
Synonyms:	Pthr; Pthr1; PTHrel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210156 representing NM_020073
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCGCCCGGATCGCACCCAGCCTGGCGCTCTACTCTGTGCCCCAGTGCTCAGCTCCGCATATG
 CGCTGGTGGATGCGGACGATGTCTTTACCAAAGAGGAACAGATTTTCTGCTGCACCGTGCCAGGCGCA
 ATGTGACAAGCTGCTCAAGGAAGTTCTGCACACAGCAGCCAACATAATGGAGTCAGACAAGGGCTGGACA
 CCAGCATCTACGTCAAGGAAGCCAGGAAAGAGAAGGCATCGGGAAAGTTCTACCCTGAGTCTAAAGAGA
 ACAAGGACGTGCCACCGGCAGCAGGCGCAGAGGGCGTCCCTGTCTGCCGAGTGGGACAACATCGTTTG
 CTGGCCATTAGGGGCACAGGTGAAGTGGTGGCAGTACCTTGCCGATTACATTTATGACTTCAATCAC
 AAAGGCCATGCCTACAGACGCTGTGACCGCAATGGCAGCTGGGAGGTGGTTCCAGGGCACAACCGGACGT
 GGGCCAACACAGCGAGTGCCTCAAGTTCATGACCAATGAGACCGGGAACGGGAGGTATTTGACCGCCT
 AGGCATGATCTACACCGTGGGATACTCCATGTCTCTCGCTCCCTCACGGTGGCTGTGCTCATCCTGGCC
 TATTTTAGGGCGCTGACTGCACGCGCAACTACATCCACATGCACATGTTCTGTGCTTTATGCTGCGCG
 CCGCAGCATCTTCGTGAAGGACGCTGTGCTCTACTCTGGCTTACGCTGGATGAGGCCGAGCGCCTCAC
 AGAGGAAGAGTTGCACATCATCGCGCAGGTGCCACCTCCGCCGGCCGCTGCCCGGTAGGCTACGCTGGC
 TGCCCGGTGGCGGTGACCTTCTTCTCTACTTCTGGCTACCAACTACTACTGGATTCTGGTGGAGGGGC
 TGACTTGACAGCCTCATCTTCATGGCCTTTTTCTCAGAGAAGAAGTACCTGTGGGGCTTACCATCTT
 TGGCTGGGGTCTACCGGCTGTCTCGTGGCTGTGTGGTGGTGTGAGCAACCTTGGCCAACACTGGG
 TGCTGGGATCTGAGCTCCGGGCACAAGAAGTGGATCATCCAGTGGCCATCCTGGCATCTGTTGTGCTCA
 ACTTCATCTTTTATCAACATCATCCGGGTGCTTGCCTAAGCTTCGGGAGACCAATGCGGGCCGGTG
 TGACACCAGGCAGCAGTACCGGAAGCTGCTCAGGTCCACGTTGGTGTGCTGCGCGCTCTTTGGTGTCCAC
 TACACCGTCTTATGGCCTTGGCGTACACCGAGGTCTCAGGGACATTGTGGCAGATCCAGATGCATTATG
 AGATGCTCTTCAACTCCTCCAGGGATTTTTGTTGCCATCATATACTGTTTCTGCAATGGTGGAGGTGCA
 GGCAGAGATTAGGAAGTCATGGAGCCGCTGGACTGGCGTTGGACTTCAAGCGCAAAGCACGAAGTGGG
 AGTAGCAGCTACAGCTATGGCCAATGGTGTCTCACACGAGTGTGACCAATGTGGGCCCCCGTGCAGGAC
 TCAGCCTCCCCCTCAGCCCCGCTGCCTCCTGCCACTACCAATGGCCACTCCAGCTGCCTGGCCATGC
 CAAGCCAGGGGCTCCAGCCACTGAGACTGAAACCCTACCAGTCACTATGGCGGTTCCAAGGACGATGGA
 TTCTTAAACGGCTCCTGCTCAGGCTGGATGAGGAGGCCCTCCGGGTCTGCGCGGCCGCTCCATTGTTGC
 AGGAAGAATGGGAAACAGTCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020073
Insert Size: 1776 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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: [NM_020073.2](#), [NP_064458.1](#)

RefSeq Size: 1836 bp

RefSeq ORF: 1776 bp

Locus ID: 56813

UniProt ID: [P25961](#)

Cytogenetics: 8q32

Gene Summary: Receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]