

Product datasheet for **MR226547**

Pth1r (NM_001083936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pth1r (NM_001083936) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pth1r
Synonyms:	PPR; Pthr; Pthr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226547 representing NM_001083936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACCGCCCGGATCGCACCCAGCCTGGCGCTCCTTCTCTGTGCCAGTGCTCAGCTCCGCATATG
 CGCTGGTGGACGACGACGATGTCTTTACCAAAGAGGAACAGATTTTCTGCTGCACCGTGCCAGGCGCA
 ATGTGACAAGCTGCTCAAGGAAGTTCTGCACACAGCAGCCAACATAATGGAGTCAGACAAAAGGGTGGACG
 CCAGCATCTACGTCAAGGAAGCCAGGAAAGAGAAGGCACCGGAAAGTTCTACCCGAGTCTAAAGAGA
 ACAAGGATGTGCCACCGGCAGCAGGCGCCGAGGGCGTCCCTGTCTGCCAGAGTGGGACAACATCGTTTG
 CTGGCCATTGGGGGACCCAGGTGAAGTGGTGGCAGTACCTTGCCGATTACATTTATGACTTCAACCAC
 AAAGGCCATGCCTACAGACGCTGCGACCGCAATGGCAGCTGGGAGGTGGTCCAGGGCACAACCGGACGT
 GGGCCAACACAGCGAGTGCCTCAAGTTCATGACCAATGAGACTCGGGAACGGGAGGATTTGACCGCCT
 GGGCATGATCTACACCGTGGGATATTCCATGTCTCTTGCCTCCCTCACCGTGGCTGTGCTCATCCTAGCC
 TATTTTAGGCGGCTGCACTGCACGCGCAACTACATCCACATGCACATGTTCTGTGCTTTATGCTGCGCG
 CCGCGAGCATCTTCGTGAAGGACGCTGTGCTCTACTCTGGCTTACGCTGGATGAGGCGGAGCGCCTCAC
 GGAGGAAGAGTTGCATATCATCGCGCAGGTGCCGCCTCCGCCCGCGCTGCCGCCGTTGGCTACGCTGGC
 TGCCGTGTGGCCGTGACCTTCTTCTCTACTTCTGGCTACCAACTACTACTGGATTCTGGTGGAGGGAC
 TGTACTTACACAGCCTCATCTTCATGGCCTTTTCTCAGAGAAGAAGTATCTGTGGGGCTTACCATCTT
 TGGCTGGGGTCTGCCGGCTGTCTTCGTGGCTGTGTGGTGGTGTGAGCAACCTTGGCCAACACTGGG
 TGCTGGGACCTGAGCTCTGGGCACAAGAAGTGGATCATCCAGTGCCCATCTGGCATCTGTTGTGCTGA
 ACTTCATCCTCTTATCAACATCATCCGGGTGCTTGGCACTAAGCTTCGGGAGACCAATCGGGCCCGTG
 TGACACCAGGCAGCAGTACCGGAAGCTGCTCAGGTCCACGTTGGTGTGTTGCCACTCTTCGGTGTCCAC
 TACACCGTCTTACGGCCTTGGCGTACACCGAGGTCTCAGGGACACTGTGGCAGATCCAGATGCACTATG
 AGATGCTCTTCAACTCCTCCAGGGATTTTTTGTGCCATCATATACTGTTTCTGCAATGGTGGAGTGA
 GGCAGAGATTAGGAAGTCTTGGAGCCGCTGGACACTGGCATTGGACTTCAAGCGTAAAGCACGAAGTGGG
 AGTAGCAGCTACAGCTATGGCCAATGGTGTACACACGAGTGTGACCAATGTGGCCCCCGTGCAGGAC
 TCAGCCTTCCCTTAGCCCCGCTGCTTCTGCCACCACCAATGGCCACTCCAGCTGCCTGGCCACGC
 CAAGCCGGGCGCTCCAGCCATTGAGAACGAAACCATAACCAGTTACTATGACAGTTCCTCAAGGACGACGGC
 TTCTTAATGGCTCCTGCTCGGGTCTGGATGAGGAGCCTCTGGGTCTGCGCGGCCACTCCATTGTTG
 AGGAAGAATGGGAAACAGTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226547 representing NM_001083936
 Red=Cloning site Green=Tags(s)

MGTARIAPSLALLLCCPVLSSAYALVDADDVFTKEEQIFLLHRAQAQCDKLLKEVLHTAANIMESDKGWT
 PASTSGKPRKEKAPGKFYPEKENKDVPTGSRRRGRPCLPEWDNIVCWPLGAPGEVAVPCPDYIYDFNH
 KGHAYRRCDRNGSWEVVPGHNRWANYSECLKFMTNETREREVFDRLGMIYTVGYSMSLASLTVAVLILA
 YFRRLHCTRNYIHMHMFLSFMLRAASIFVKDAVLYSGFTLDEAERLTEEELHIIAQVPPPPAAAAVGYAG
 CRVAVTFFLYFLATNYYWILVEGLYLHSLIFMAFFSEKKYLWGFIFGWGLPAVFAVWVGVVRLANTG
 CWDLSSGHKKWIIQVPILASVVLNFIIFINIIRVLATKLRNAGRCDTRQYRKLRLSTLVLVPLFGVH
 YTVFMALPYTEVSGTLWQIQMHYEMLFNSFQGFVAIIYCFCNQEVQAEIRKSWSRWTLALDFKRKARSG
 SSSYSYGPMSVHTSVTNVGPRAGLSLPLSPRLLPATTNGHSQLPGHAKPGAPAIENETIPVTMTVPKDDG
 FLNGSCSGLDEEASGSARPPPLLQEEWETVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001083936

ORF Size: 1773 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001083936.1](#), [NP_001077405.1](#)

RefSeq Size: 2269 bp

RefSeq ORF: 1776 bp

Locus ID: 19228

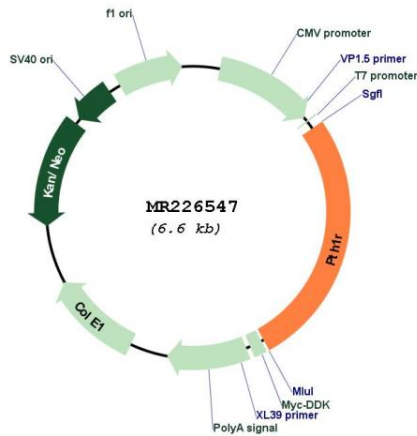
UniProt ID: [P41593](#)

Cytogenetics: 9 60.56 cM

MW: 66.4 kDa

Gene Summary: Receptor for parathyroid hormone and for parathyroid hormone-related peptide (PubMed:8197183). 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]

Product images:



Circular map for MR226547