

Product datasheet for **MG209186**

Pth1r (NM_011199) Mouse Tagged ORF Clone

Product data:

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|---------------------------|------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Pth1r (NM_011199) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Pth1r |
| Synonyms: | PPR; Pthr; Pthr1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG209186 representing NM_011199
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACCGCCCGGATCGCACCCAGCCTGGCGCTCCTTCTCTGTGCCAGTGCTCAGCTCCGCATATG
 CGCTGGTGGACGACGACGATGTCTTTACCAAAGAGGAACAGATTTTCTGCTGCACCGTGCCAGGCGCA
 ATGTGACAAGCTGCTCAAGGAAGTTCTGCACACAGCAGCCAACATAATGGAGTCAGACAAAGGGTGGACG
 CCAGCATCTACGTCAAGGAAGCCAGGAAAGAGAAGGCACCGGAAAGTTCTACCCGAGTCTAAAGAGA
 ACAAGGATGTGCCACCGGCAGCAGGCGCCGAGGGCGTCCCTGTCTGCCAGAGTGGGACAACATCGTTTG
 CTGGCCATTGGGGGACCCAGGTGAAGTGGTGGCAGTACCTTGCCGATTACATTTATGACTTCAACCAC
 AAAGGCCATGCCTACAGACGCTGTGACCGCAATGGCAGCTGGGAGGTGGTCCAGGGCACAACCGGACGT
 GGGCCAACACAGCGAGTGCCTCAAGTTCATGACCAATGAGACTCGGGAACGGGAGGATTTGACCGCCT
 GGGCATGATCTACACCGTGGGATATTCCATGTCTCTTGCCTCCCTCACCGTGGCTGTGCTCATCCTAGCC
 TATTTTAGGCGGCTGCACTGCACGCGCAACTACATCCACATGCACATGTTCTGTGCTTTATGCTGCGCG
 CCGCGAGCATCTTCGTGAAGGACGCTGTGCTCTACTCTGGCTTACGCTGGATGAGGCGGAGCGCCTCAC
 GGAGGAAGAGTTGCATATCATCGCGCAGGTGCCGCCTCCACCCGCGCTGCCGCCGTTGGCTACGCTGGC
 TGCCGTGTGGCTGTGACCTTCTTCTCTACTTCTGGCTACCAACTACTACTGGATTCTGGTGGAGGGAC
 TGTACTTACACAGCCTCATCTTCATGGCCTTTTCTCAGAGAAGAAGTATCTGTGGGGCTTACCATCTT
 TGGCTGGGGTCTGCCGGCTGTCTTCGTGGCTGTGTGGTGGTGTGAGCAACCTTGGCCAACACTGGG
 TGCTGGGACCTGAGCTCTGGGCACAAGAAGTGGATCATCCAGTGCCCATCTCGGAGACCAATCGCGCCGCTG
 ACTTCATCCTCTTATCAACATCATCCGGGTGCTTGGCACTAAGCTTCGGGAGACCAATCGCGCCGCTG
 TGACACCAGGCAGCAGTACCGGAAGCTGCTCAGGTCCACGTTGGTCTGTGCCACTCTTCGGTGTCCAC
 TACACCGTCTTACGGCCTTGGCGTACACCGAGGTCTCAGGGACACTGTGGCAGATCCAGATGCACTATG
 AGATGCTCTTCAACTCCTCCAGGGATTTTTTGTGCCATCATATACTGTTTCTGCAATGGTGGAGGTGCA
 GGCAGAGATTAGGAAGTCTTGGAGCCGCTGGACACTGGCATTGGACTTCAAGCGTAAAGCACGAAGTGGG
 AGTAGCAGCTACAGCTATGGCCAATGGTGTACACACGAGTGTGACCAATGTGGCCCCCGTGCAGGAC
 TCAGCCTTCCCCTTAGCTCCCGCTGCTTCTGCCACCACCAATGGCCACTCCAGCTGCCTGGCCACGC
 CAAGCCGGGCGCTCCAGCCATTGAGAACGAAACCATAACCAGTTACTATGACAGTTCCTCAAGGACGACGGC
 TTCCTTAATGGCTCCTGCTCGGGTCTGGATGAGGAGGCCCTCTGGGTCTGCGCGGCCACTCCATTGTTG
 AGGAAGAATGGGAAACAGTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209186 representing NM_011199
 Red=Cloning site Green=Tags(s)

MGTARIAPSLALLCCPVLSAYALVDADDVFTKEEQIFLLHRAQAQCDKLLKEVLHTAANIMESDKGWT
 PASTSGKPRKEKAPGKFYPESENKDVPTGSRRRGRPCLPEWDNIVCWPLGAPGEVAVPCPDYIYDFNH
 KGHAYRRCDRNGSWEVVPGHNRWANYSECLKFMTNETREREVFDRLGMIYTVGYSMSLASLTVAVLILA
 YFRRLHCTRNYIHMHMLFSMLRAASIFVKDAVLYSGFTLDEAERLTEEELHIIAQVPPPPAAAAGVYAG
 CRVAVTFFLYFLATNYYWILVEGLYLHSLIFMAFFSEKKYLWGF TIFGWGLPAVFVAVWVGVVATLANTG
 CWDLSSGHKKWIIQVPILASVVLNFILFINIIRVLATKLRNAGRCDTRQYRKLRLSTLVLVPLFGVH
 YTVFMALPYTEVSGTLWQIQMHYEMLFNSFQGFVAIIYCFNGEVQAEIRKSWSRWTLALDFKRKARSG
 SSSYSYGPMSVHTSVTNVGPRAGLSLPLSRLLPATTNGHSQLPHAKPGAPAIENETIPVTMTVPKDDG
 FLNGSCSGLDEEASGSARPPPLLQEEWETVM

TRTRPLE - GFP Tag - V

Restriction Sites:

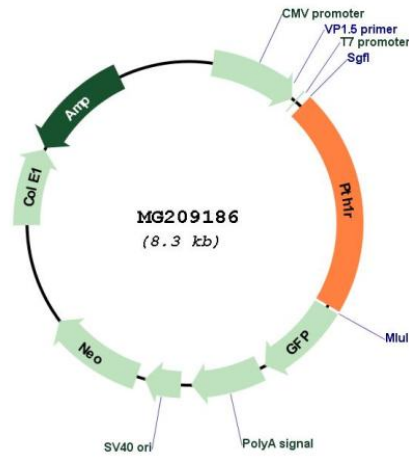
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_011199
 ORF Size: 2235 bp

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: | <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: | NM_011199.1 |
| RefSeq Size: | 1770 bp |
| RefSeq ORF: | 1776 bp |
| Locus ID: | 19228 |
| UniProt ID: | P41593 |
| Cytogenetics: | 9 60.56 cM |
| 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] |