

Product datasheet for **MG226546**

Pth1r (NM_011199) Mouse Tagged ORF Clone

Product data:

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:

>MG226546 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
 GGAGGAAGAGTTGCATATCATCGCGCAGGTGCCGCTCCACCCGCGCTGCCGCGTTGGCTACGCTGGC
 TGCCGTGTGGCTGTGACCTTCTTCTCTACTTCTGGCTACCAACTACTACTGGATTCTGGTGGAGGGAC
 TGTACTTACACAGCCTCATCTTCATGGCCTTTTCTCAGAGAAGAAGTATCTGTGGGGCTTACCATCTT
 TGGCTGGGGTCTGCCGGCTGTCTTCGTGGCTGTGTGGTGGTGTGAGCAACCTTGGCCAACACTGGG
 TGCTGGGACCTGAGCTCTGGGCACAAGAAGTGGATCATCCAGGTGCCATCCTGGCATCTGTTGTGCTCA
 ACTTCATCCTCTTATCAACATCATCCGGGTGCTTGCCACTAAGCTTCGGGAGACCAATGCCGGCCGGTG
 TGACACCAGGCAGCAGTACCGGAAGCTGCTCAGGTCCACGTTGGTCTTGTGCCACTCTTCGGTGTCCAC
 TACACCGTCTTACGGCCTTGGCGTACACCGAGGTCTCAGGGACACTGTGGCAGATCCAGATGCACTATG
 AGATGCTCTTCAACTCCTCCAGGGATTTTTTGTGCCATCATATACTGTTTCTGCAATGGTGGAGGTGCA
 GGCAGAGATTAGGAAGTCTTGGAGCCGCTGGACACTGGCATTGGACTTCAAGCGTAAAGCACGAAGTGGG
 AGTAGCAGCTACAGCTATGGCCCAATGGTGTACACACGAGTGTGACCAATGTGGCCCCCGTGCAGGAC
 TCAGCCTTCCCCTTAGCTCCCGCTGCTTCTGCCACCACCAATGGCCACTCCAGCTGCCTGGCCACGC
 CAAGCCGGGCGCTCCAGCCATTGAGAACGAAACCATAACCAGTTACTATGACAGTTCCTCAAGGACGACGGC
 TTCTTAATGGCTCCTGCTCGGGTCTGGATGAGGAGCCCTCTGGGTCTGCGCGGCCACTCCATTGTTGC
 AGGAAGAATGGGAAACAGTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226546 representing NM_011199
 Red=Cloning site Green=Tags(s)

MGTARIAPSLALLLCCPVLSSAYALVDADDVFTKEEQIFLLHRAQAQCDKLLKEVLHTAANIMESDKGWT
 PASTSGKPRKEKAPGKFYPESENKDVPTGSRRRGRPCLPEWDNIVCWPLGAPGEVAVPCPDYIYDFNH
 KGHAYRRCDRNGSWEVVPGHNRWANYSECLKFMTNETREREVFDRLGMIYTVGYSMSLASLTVAVLILA
 YFRRLHCTRNYIHMHMLFSMLRAASIFVKDAVLYSGFTLDEAERLTEEELHIIAQVPPPPAAAAVGYAG
 CRVAVTFFLYFLATNYYWILVEGLYLHSLIFMAFFSEKKYLWGF TIFGWGLPAVFVAVWVGVVRLANTG
 CWDLSSGHKKWIIQVPILASVVLNFILFINIIRVLATKLRNAGRCDTRQYRKLRLSTLVLVPLFGVH
 YTVFMALPYTEVSGTLWQIQMHYEMLFNSFQGFVAIIYCFCNQEVQAEIRKSWSRWTLALDFKRKARSG
 SSSYSYGPMSVHTSVTNVGPRAGLSLPLSRLLPATTNGHSQLPGHAKPGAPAIENETIPVTMTVPKDDG
 FLNGSCSGLDEEASGSARPPPLQEEWETVM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_011199.2 , NP_035329.2
RefSeq Size:	2238 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]