

Product datasheet for **RN214491**

Pth2r (NM_031089) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pth2r (NM_031089) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pth2r
Synonyms:	Pthr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214491 representing NM_031089
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGGCTGGAAGCTTTACCCTACATCTGTGGATGGCTGATTCTCCGTAGCTGTCTCCTGGTTGGAG
 CGCAGCTGGATTCTGATGGCACCATCACTATAGAGGAGCAGATTGTTCTTGTATGAAGGCTAAAAATGCA
 ATGTGAACTCAACATCACAGCTCAGTTCCAAGAAGGAGAGGGCAATTGCTTCCCAGAATGGGATGGACTC
 ATTTGTTGGCCTAGAGGAACGGCGGGGAAAAACGTCAGCTATGCCCTGTCCTTCATATGTTTATGATTTC
 ATCACAAGGAGTTGCTTCCGGCACTGCACTCCCAAYGGAACGTGGGATTTTATTCATGGCTCAAATAA
 AACCTGGGCTAACTTTCAGACTGCTTCTGCAGCCTGATATCAACATAGGAAAGCAAGATTCTTTGAA
 AACCTCTACATCTGTACACTGTCGGCTATTCCATCTCTTTGGCTCCTGGCAGTAGCCATTCTCATCA
 TTGGCTATTTAGGCGGTTGCATTGCACTAGGAACTATATCCACTGCATTTGTTGTGCTTCATGCT
 GAGAGCCAYGAGCATCTTTGTCAAGGACAGAGTAGCCAGGCTCACCTGGGAGTAGAGGCACTGCAGTCT
 CTGGTGATGCAGGGTACCTTCAGAACTTCATTGGAGGACCATCTGTGGACAAATCTCAGTATGTGGGGT
 GCAAGATCGCTGTCGTGATGTTATTTATTTCTGGCTACAAACTATTATTGGATCCTGGTGGAAAGGGCT
 CTACCTGCATAACTTAATCTTTGTGCTTTCTTTCTGACACCAATACCTGTGGGGCTTCATCTTGATA
 GGCTGGGGATTTCCAGCGGATTTGTTGTGGCCTGGGCAGTAGCACGAGCCACTCTGGCGGATACCAGGT
 GTTGGGAAGTCTAGTGTGGAGACAGGTGGATTTACCMGGMTCCAATCTTGGCGGCTATTGGGCTGAATTT
 TATTCTGTTCCGAATACAGTTAGAGTTCTTGTACAAAAATTTGGGAGACCAATGCTGTTGGGCATGAC
 ATGAGAAAAGCAGTACAGGAACTGGCTAAGTCAACGCTGGTCTGGTGTGTTGGTGTGCTTACATTACA
 TCGTGTTTCATCTGCCAGCCGCACTCCTTCTCGGGCTCTGGTGGGAGATCCGCATGCATGCGGAGCTTT
 CTCAACTCCTTCCAGGATTCTTCGTGTCTATTGTCTATTGCTACTGCAACGGAGAGGTACAGGCTGAG
 GTGAAGAAGACCTGGACTCGTTGGAATCTGTCCATCGACTGGAAGGCGCCGCTTGTGGCGGCCACA
 GGTACGGCTCGGTGCTCACCCTGTACACACAGCACCAGCAGCCAGTCACAGATGGGACCAAGCACAGC
 CCTGGTGTCTATCTAGCAAACCCGCAAGACTGCCTGCAGACAGATCGACAGTCATGTGACTCTACCT
 GGCTACGCTGGAGTAGTTCTGAGCAGGACTGTCAACCACAATCTACCCCGGAGGAGACTAAAAAGGTC
 ATGGGCGACAGGAAGATGATAGTCCAGTGGGGAGTCTTCCAGGCCAGTAGCATTACCATAGACACGGA
 AGGATGCAAGGGAGAATCCACCCTAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031089

Insert Size: 1641 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:

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_031089.2](#), [NP_112351.1](#)

RefSeq Size: 1975 bp

RefSeq ORF: 1641 bp

Locus ID: 81753

UniProt ID: [P70555](#)

Cytogenetics: 9q32

Gene Summary: binds parathyroid hormone and induces cAMP accumulation [RGD, Feb 2006]