

Product datasheet for **RN201954**

Pth (NM_017044) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pth (NM_017044) Rat Untagged Clone
Tag: Tag Free
Symbol: Pth
Synonyms: PTH-(1-84); Pth1; Pthr1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201954 representing NM_017044
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTCGCAAGCACCATGGCTAAGGTGATGATCCTCATGCTGGCAGTTTGTCTCCTACCCAGGCAG
ATGGGAAACCCGTTAAGAAGAGAGCTGTCAGTAAATACAGCTTATGCACAACCTGGCAACACCTGGC
CTCTGTGGAGAGGATGCAATGGCTGAGAAAAAGCTGCAAGATGTACACAATTTGTTAGTCTTGGAGTC
CAAATGGCTGCCAGAGAAGGCAGTTACCAGAGGCCACCAAGAAGGAGGAAAATGTCCTTGTGATGGCA
ATTCAAAAAGTCTTGGCAGGGGGACAAAGCTGATGTGGATGTATTAGTTAAGGCTAAATCTCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017044

Insert Size: 348 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).



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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_017044.1](#), [NP_058740.1](#)

RefSeq Size: 704 bp

RefSeq ORF: 348 bp

Locus ID: 24694

UniProt ID: [P04089](#)

Cytogenetics: 1q33

Gene Summary: regulates osteoblast proliferation and differentiation; involved in G-protein coupled receptor mediated adenylate cyclase activation [RGD, Feb 2006]