

Product datasheet for **RR201954**

Pth (NM_017044) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pth (NM_017044) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pth
Synonyms: PTH-(1-84); Pth1; Pthr1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201954 representing NM_017044
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTCGCAAGCACCATGGCTAAGGTGATGATCCTCATGCTGGCAGTTTGTCTCCTACCCAGGCAG
ATGGGAAACCCGTTAAGAAGAGAGCTGTCAGTAAATACAGCTTATGCACAACCTGGGCAACACCTGGC
CTCTGTGGAGAGGATGCAATGGCTGAGAAAAAGCTGCAAGATGTACACAATTTTGTAGTCTTGGAGTC
CAAATGGCTGCCAGAGAAGGCAGTTACCAGAGGCCACCAAGAAGGAGGAAAATGTCTTGTGATGGCA
ATTCAAAAAGTCTTGGCGAGGGGACAAAGCTGATGTGGATGTATTAGTTAAGGCTAAATCTCAGATTCA
AAAAGTCTTGGCGAGGGGACAAAGCTGATGTGGATGTATTAGTTAAGGCTAAATCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201954 representing NM_017044
Red=Cloning site **Green**=Tags(s)

MMSASTMAKVMILMLAVCLLTQADGKPVKKRAVSEIQLMHNLGKHLASVERMQWLRKKLQDVHNFVSLGV
QMAAREGSYQRPTKKEENVLVDGNSKSLGEGDKADVVDLVKAKSQIQKVLARGTKLMWY*LRLNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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 Size:	704 bp
RefSeq ORF:	348 bp
Locus ID:	24694
UniProt ID:	P04089
Cytogenetics:	1q33
MW:	12.7 kDa
Gene Summary:	regulates osteoblast proliferation and differentiation; involved in G-protein coupled receptor mediated adenylate cyclase activation [RGD, Feb 2006]