

Product datasheet for RR201954

Pth (NM_017044) Rat Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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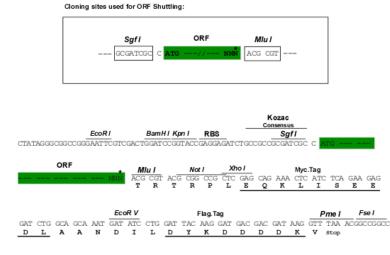
Product Type:	Expression Plasmids
Product Name:	Pth (NM_017044) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pth
Synonyms:	PTH-(1-84); Pth1; Pthr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	<pre>>RR201954 representing NM_017044 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGTCTGCAAGCACCATGGCTAAGGTGATGATCCTCATGCTGGCAGTTTGTCTCCTTACCCAGGCAG ATGGGAAACCCGTTAAGAAGAGAGCTGTCAGTGAAATACAGCTTATGCACAACCTGGGCAAACACCTGGC CTCTGTGGAGAGGGATGCAATGGCTGAGAAAAAAGCTGCAAGATGTACACAATTTTGTTAGTCTTGGAGTC CAAATGGCTGCCAGAGAAGGCAGTTACCAGAGGGCCCACCAAGAAGGAGGAAAAATGTCCTTGTTGATGGCA ATTCAAAAAGTCTTGGCGAGGGGGACAAAGCTGATGTGGATGTATTAGTTAAGGCTAAATCTCAGATTCA AAAAGTCTTGGCGAGGGGGACAAAGCTGATGTGGATGTATTAGTTAAGGCTAAATCTCAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RR201954 representing NM_017044 <mark>Red</mark> =Cloning site Green=Tags(s)
	MMSASTMAKVMILMLAVCLLTQADGKPVKKRAVSEIQLMHNLGKHLASVERMQWLRKKLQDVHNFVSLGV QMAAREGSYQRPTKKEENVLVDGNSKSLGEGDKADVDVLVKAKSQIQKVLARGTKLMWMY*LRLNL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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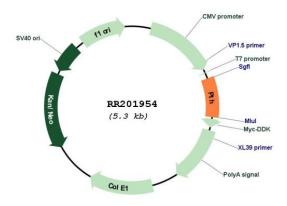


Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:
ORF Size:
OTI Disclaimer:

NM_017044

345 bp

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. <u>More info</u>

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ORIGENE Pth (NM_017044) Rat Tagged ORF Clone – RR201954	
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>P04089</u>
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]

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