

## Product datasheet for MC203245

### Pthlh (NM\_008970) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pthlh (NM_008970) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pthlh
Synonyms:	PLP; Pt; PTH-I; PTH-like; Pthrp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC058187  
 ATCGGCTCTGCCGCAAGTGGCTGTGCACCCAGAGGCCCGGTGCGCAGGACAGCTGACTCCTGAGGAACAC  
 CCGCGTTTGAAGAGGGTTTGACCTGCCACGACCCAGAGCGCTGCCGCAAGACTAATTAGACATTGC  
 TATGGGAGCCACAGCAACGCGCCACGCATCCCGACGCCCTATGTAAAACGCCCGTTTTCCGCTCTCTTT  
 CAGAGGAAGCTCTGATTGCTTTTTCCCTCTCGGGTCCCTTTTTGCCTGTGCGGTTTGAAGAGGCGC  
 AGTTAGAGGCGTGATTCTACACAAGTCCCCAGAGCCAGCGAGCGGCACGATGTGCGGAGGCTGGTTC  
 AGCAGTGGAGTGTCTGGTATTCTGCTCAGCTACTCCGTGCCCTCCCGCGGGCGTTGCGTGGAGGGGCT  
 TGGCCGCAAGGCTCAAACGCGCTGTGTGAACATCAGCTACTGCATGACAAGGGCAAGTCCATCCAAGAC  
 TTGCGCCCGGTTTTCTTCTCCACCATCTGATCGCGGAGATCCACACAGCCGAAATCAGAGCTACCTCGG  
 AGGTGTCCCCAACTCCAACCTGCTCCCAACACCAAAAACCACCCCGTGCCTTTGGGTCAGACGATGA  
 GGGCAGATACCTAACTCAGGAAACCAACAAGGTGGAGACGTACAAGAAGCCACTCAAGACACCCGGG  
 AAGAAGAAGAAAGCAAGCCTGGGAAACGAGAGAACAGGAGAAAAAGCAAGGACTCGGTCTGCCT  
 GGCCAAGCACAGCTGCGAGTGGCCTGCTTGAGGACCCCTGCCACACCTCCAGGACCTCGCTGGAGCC  
 CAGCTTAAGGACGCATTGAAATTTTCATCGAAGATCTTCCAAGGACACGTTACAGGATTTTGAATAGTA  
 AACATATGGAAAGTATTAGACATATTTATTCCTGTACATACTGTAAATGCATTGGGATCAAACCTGTCTC  
 CCCAGGAACTGCACATGGGTGATGTGAATATTTTCCCTTTTGGCAAGGCTAATCCAATTATTCCTGTC  
 ACTGTTACCATAATTTATTTGTCAACTGATGTATTTATTTGAAATGTATCTTGGTGCTGCTGACTCTG  
 TTTTTTTGTAACATAATGCACCTTAGGTATACATATCGAGTATGTGGATGAATTTAACACATAAAAGGAT  
 CTCTATTTGTGGTTCATTTAATGAGTCTGAAATATAATTATCTAGACTGATTTCTTCTGTGCATGT  
 AAAAATGCGCAGTATTTTAAATTTGTAAGAATGTCTAATAAAAATAATCTAATTATAAAAAAAAAAAAAA AA

Restriction Sites:	RsrII-NotI
ACCN:	NM_008970
Insert Size:	528 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC058187</a> , <a href="#">AAH58187</a>
<b>RefSeq Size:</b>	1332 bp
<b>RefSeq ORF:</b>	528 bp
<b>Locus ID:</b>	19227
<b>Cytogenetics:</b>	6 78.19 cM
<b>Gene Summary:</b>	This gene encodes a member of the parathyroid family of hormones that possesses distinct paracrine and intracrine signaling roles such as regulation of circulating calcium, transplacental calcium transport, osteoclast inhibition, renal bicarbonate excretion and regulation of apoptosis. The encoded protein undergoes proteolytic processing to generate multiple active peptides with distinct signaling functions. The homozygous deletion of this gene leads to death shortly after birth with a chondrodystrophic phenotype characterized by premature chondrocyte differentiation and accelerated bone formation. [provided by RefSeq, Jul 2015]