

Product datasheet for MR201519

Pthlh (NM_008970) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pthlh (NM_008970) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Pthlh

Synonyms: PLP; Pt; PTH-l; PTH-like; Pthrp

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR201519 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CCAGGACCTCGCTGGAGCCCAGCTTAAGGACGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201519 protein sequence

Red=Cloning site Green=Tags(s)

MLRRLVQQWSVLVFLLSYSVPSRGRSVEGLGRRLKRAVSEHQLLHDKGKSIQDLRRRFFLHHLIAEIHTA EIRATSEVSPNSKPAPNTKNHPVRFGSDDEGRYLTQETNKVETYKEQPLKTPGKKKKGKPGKRREQEKKK

RRTRSAWPSTAASGLLEDPLPHTSRTSLEPSLRTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

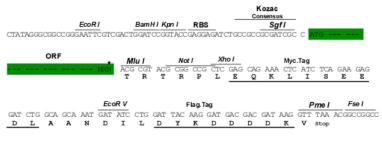
CN: techsupport@origene.cn

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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_008970

ORF Size: 528 bp

OTI Disclaimer: 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. More info

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: 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: <u>NM 008970.1</u>, <u>NP 032996.1</u>

RefSeq Size:1512 bpRefSeq ORF:528 bpLocus ID:19227

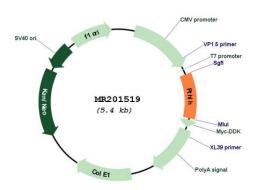
Cytogenetics: 6 78.19 cM W: 20.1 kDa



Gene Summary:

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]

Product images:



Circular map for MR201519