

Product datasheet for **SC124341**

Parathyroid hormone related protein (PTH LH) (NM_198965) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Parathyroid hormone related protein (PTH LH) (NM_198965) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Parathyroid hormone related protein |
| Synonyms: | BDE2; HHM; PLP; PTHR; PTHRP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_198965, the custom clone sequence may differ by one or more nucleotides |

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ATGCAGCGGAGACTGGTTCAGCAGTGGAGCGTCGCGGTGTTCTGCTGAGCTACGCGGTGCCCTCCTGCG  
GGCGCTCGGTGGAGGGTCTCAGCCCGCGCCTCAAAGAGCTGTGTCTGAACATCAGCTCCTCCATGACAA  
GGGGAAGTCCATCCAAGATTTACGGCGACGATTCTTCTTACCACATCTGATCGCAGAAATCCACACAGCT  
GAAATCAGAGCTACCTCGGAGGTGTCCCCTAACTCCAAGCCCTCTCCCAACACAAAGAACCACCCCGTCC  
GATTTGGGTCTGATGATGAGGGCAGATACCTAACTCAGGAACTAACAAGGTGGAGACGTACAAAGAGCA  
GCCGCTCAAGACACCTGGGAAGAAAAAGAAAGGCAAGCCCGGAAACGCAAGGAGCAGGAAAAGAAAAA  
CGGCGAAGTCTGCTGCCTGGTTAGACTCTGGAGTGACTGGGAGTGGGCTAGAAGGGGACCACCTGTCTG  
ACACCTCCACAACGTCGCTGGAGCTCGATTCACGGAGGCATTGA
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|-------------------------------------|---|
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_198965 unedited TTTGTTAATACGAACTCACTATAGGGCGGCCGCGACATCGGCCACGAGTGCTCACTTCTC CGGCAGGTTTTGCCTCGGAGCGTGTGAACCTTCTCCGCTCGGTTTTCAACTCGCCTCAA CCTGCGCCGCCCGCCAGCATGTCTCCCCGCCCGTGAAGCGGGGCTTGCCGCCTCCCTGC CGTCCGGCTGCCACTAACGAACCCGCCCTTCGCCCCACCTGGCCCTCTGATCGACGA CACACGCACCTGAAACTTGTCTCAGGGTGTGTGAATCAACTTCCGGAAGCAACCAGC CCACCAGAGGAGTCCCAGCGCGAGCGGAGAACATGCAGCGGAGACTGGTTTCAGCAGTG GAGCGTCGCGGTTCCTGCTGAGCTACGCGGTGCCCTCCTGCGGGCGCTCGGTGGAGGG TCTCAGCCCGCCCTCAAAGAAGTGTGTCTGAACATCAGCTCCTCCATGAACAAGGGGA AGTCCATCCAAGATTTACGGCGACGATTCTTCTTACCACATCTGATCGCAGAAATCCACA CAGCTGAAATCAGAGCTACTCGGAGGTGTCCCCTAACTCCAAGCCCTCTCCAACACAAAG AACCCCCGTCGGAATTGGGTCTGATGATGAGGGCAGATACCTAACTCAGGAACTAAC AGGTGGGAGACGTACAAGAGCAGCCGCTCAAGACACCTGNGAAAAAAAAAAGGGGCAGCC CGGGAAACGCAGGAGCANGAAAAAAAAAACGGCGAACTCGCTCTGNCTGGNTAACTNCTG NATGACTGGGNAATGCCTTAAAGGGGGAACACTGTTTTGAACCTNCCCAGGTCGCTGGA GCTCATACGGGAGCATTGAATTCACAAAAAAGTTCAGGATATTGGGGGAATTTGAATA TGACAAA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_198965 |
| Insert Size: | 1310 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). |
| 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: | NM_198965.1 , NP_945316.1 |
| RefSeq Size: | 1331 bp |
| RefSeq ORF: | 534 bp |
| Locus ID: | 5744 |
| UniProt ID: | P12272 |
| Cytogenetics: | 12p11.22 |
| Protein Families: | Druggable Genome, Secreted Protein |

Gene Summary:

The protein encoded by this gene is a member of the parathyroid hormone family. This hormone, via its receptor, PTHR1, regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. It is responsible for most cases of humoral hypercalcemia of malignancy, and mutations in this gene are associated with brachydactyly type E2 (BDE2). Alternatively spliced transcript variants have been found for this gene. There is also evidence for alternative translation initiation from non-AUG (CUG and GUG) start sites, downstream of the initiator AUG codon, resulting in nuclear forms of this hormone. [provided by RefSeq, Nov 2013]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.