

Product datasheet for RC212744L4

OriGene Technologies, Inc.

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Parathyroid hormone related protein (PTHLH) (NM_198966) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Parathyroid hormone related protein (PTHLH) (NM 198966) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Parathyroid hormone related protein

Synonyms: BDE2; HHM; PLP; PTHR; PTHRP

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC212744).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_198966

ORF Size: 531 bp





Parathyroid hormone related protein (PTHLH) (NM_198966) Human Tagged Lenti ORF Clone – RC212744L4

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 198966.1</u>

RefSeq Size: 1312 bp RefSeq ORF: 534 bp Locus ID: 5744

 UniProt ID:
 P12272

 Cytogenetics:
 12p11.22

Protein Families: Druggable Genome, Secreted Protein

MW: 16 kDa

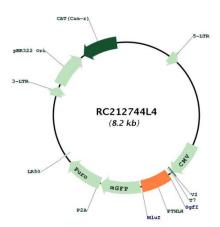
Gene Summary: The protein encoded by this gene is a member of the parathyroid hormone family. This

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]



Product images:



Circular map for RC212744L4