

Product datasheet for RC207775L3

OriGene Technologies, Inc.

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Parathyroid Hormone Receptor 2 (PTH2R) (NM_005048) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Parathyroid Hormone Receptor 2 (PTH2R) (NM 005048) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Parathyroid Hormone Receptor 2

Synonyms: PTHR2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

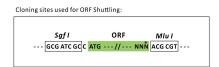
E. coli Selection: Chloramphenicol (34 ug/mL)

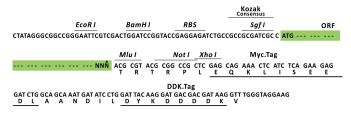
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC207775).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005048

ORF Size: 1650 bp





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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 005048.2</u>

RefSeq Size:2734 bpRefSeq ORF:1653 bpLocus ID:5746

 UniProt ID:
 P49190

 Cytogenetics:
 2q34

Domains: 7tm 2, HormR

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 62.2 kDa

Gene Summary: The protein encoded by this gene is a member of the G-protein coupled receptor 2 family.

This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTHR1). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHLH) and is particularly abundant in brain and pancreas. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Jan 2013]