

## Product datasheet for RC211797L2

#### OriGene Technologies, Inc.

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## Oxytocin Receptor (OXTR) (NM\_000916) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Oxytocin Receptor (OXTR) (NM\_000916) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Oxytocin Receptor

Synonyms: OT-R; OTR

Mammalian Cell None

Selection:

**Vector:** pLenti-C-mGFP (PS100071)

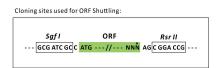
E. coli Selection: Chloramphenicol (34 ug/mL)

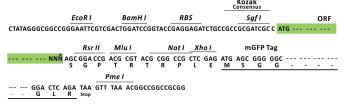
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC211797).

Sequence:

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_000916

ORF Size: 1176 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 000916.3</u>, <u>NP 000907.2</u>

 RefSeq Size:
 4361 bp

 RefSeq ORF:
 1170 bp

 Locus ID:
 5021

 UniProt ID:
 P30559

Cytogenetics: 3p25.3

Domains: 7tm\_1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 42.6 kDa

**Gene Summary:** The protein encoded by this gene belongs to the G-protein coupled receptor family and acts

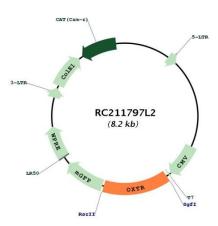
as a receptor for oxytocin. Its activity is mediated by G proteins which activate a

phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition. [provided by RefSeq, Jul

2008]



# **Product images:**



Circular map for RC211797L2