

Product datasheet for SC119610

Oxytocin Receptor (OXTR) (NM_000916) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Oxytocin Receptor (OXTR) (NM_000916) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Oxytocin Receptor |
| Synonyms: | OT-R; OTR |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC119610 sequence for NM_000916 edited (data generated by NextGen Sequencing) |

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ATGGAGGGCGCTCGCAGCCAACCTGGAGCGCCGAGGCAGCCAACGCCAGCGCCGCGCCG
CCGGGGGCGAGGGCAACCGCACCGCCGACCCCGCGGCGCAACGAGGCCCTGGCGCGC
GTGGAGGTGGCGGTGCTGTGTCTCATCCTGCTCCTGGCGCTGAGCGGGAATGCGTGTGTG
CTGCTGGCGCTGCGCACACAGCCAGAAGCACTCGCGCCTTTCTTCTCATGAAGCAC
CTAAGCATCGCCGACCTGGTGGTGGCAGTGTTCAGGTGCTGCCGAGTTGCTGTGGGAC
ATCACCTCCGCTTCTACGGGCCGACCTGCTGTGCCGCTGGTCAAGTACTTGCAGGTG
GTGGGCATGTTCCGCTCCACCTACCTGCTGCTCATGTCCCTGGACCGCTGCCTGGCC
ATCTGCCAGCCGCTGCGCTCGCTGCGCCCGCACCGACCGCCTGGCAGTGCCTGCCACG
TGGCTCGGCTGCCTGGTGGCCAGCGCGCCGAGGTGCACATCTTCTCTCTGCGCGAGGTG
GCTGACGGCTCTTCGACTGCTGGGCCGCTTTCATCCAGCCCTGGGGACCAAGGCCTAC
ATCACATGGATCACGCTAGCTGTCTACATCGTGCCGGTACATCGTCTCGCTGCCTGCTAC
GGCCTTATCAGCTTCAAGATCTGGCAGAACTTGGCGCTCAAGACCGCTGCAGCGCGGGCG
GCCGAGGCGCCAGAGGGCGCGGGCTGGCGATGGGGGGCGCGTGGCCCTGGCGCGTGTG
AGCAGCGTCAAGCTCATCTCAAGGCCAAGATCCGCACGGTCAAGATGACTTTCATCATC
GTGCTGGCCTTTCATCGTGTGCTGGACGCCTTTCTTCTTCGTGCAGATGTGGAGCGTGTG
GATGCCAACGCGCCCAAGGAAGCCTCGGCCTTCATCATCGTATGCTCCTGGCCAGCCTC
AACAGTGCTGCAACCCCTGGATCTACATGCTGTTACGGGCCACCTCTCCACGAACTC
GTGCAGCGCTTCTGTGCTGCTCCGCCAGCTACCTGAAGGGCAGACGCTGGGAGAGACG
AGTGCCAGCAAAAAGAGCAACTGCTCCTCTTGTCTGAGCCATCGCAGCTCCAGCCAG
AGGAGCTGCTCCAGCCATCCACGGCGTGA

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Clone variation with respect to NM_000916.3
171 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000916 unedited
 CCATTCGCATCGAGTGGAGATTCTTTCCGGGAGGTGATTTGGTTTTAGATTCCACTCCC
 GGAGGAACGTTGCTGATTTTGACCTCCCTTCTCCCCAGTGGAAGCCGCTGAACATCCC
 GAGGAACGGCACGCTGGGGGCTCTGGGCTTGTGGCCGGTAGAGGATTCTGCCTANNTC
 AGTGGCTTATAGGAGGTGGACTCAGCAGATCCGTCCGTGGAGTCTCCAGGAGTGGAGCC
 CCGGGCGCCCCACACCTCCGACACCGGATCCGGCCAGCCGCGCAAGCCGTAAG
 GGCTCGAAGGCCGGGGCGCACCGCTGCCGCCAGGGTCATGGAGGGCGCGCTCGCAGCCAA
 CTGGAGCGCCGAGGCAGCAACGCCAGCGCCGCGCCGCGGGGGCCGAGGGCAACCGCAC
 CGCCGGACCCCGCGGCCAACGAGGCCCTGGCGCGCTGGAGGTGGCGGTGCTGTGTCT
 CATCCTGCTCCTGGCGCTGAGCGGGAATGCGTGTGTGCTGCTGGCGCTGCGCACCACAG
 CCAGAAGCACTCGCGCTCTTCTTTCATGAAGCACCTAAGCATCGCCGACCTGGTGGT
 GGCAGTGTTC AAGTGTGCCGAGTTGCTGTGGGACATCACCTCCGCTTCTAAGGCC
 CGACCTGTGTGCCGCTGGTCAAGTACTGCAGGTGGTGGCATGTTCCGCTCCACCTA
 CCTGCTGGTGTCTATGTCCCTGGACCGCTGCCTGGCCATCTGCCAACCGCTGCGCTCGTT
 GAGCCGGCGCACGAACGCTGGCAGTGCCTCCCCCGTGGCTTCGCCTGGCCTGGTGGC
 CCACGCGCCCGAGGTGCCCATTTTTTTTTCTGCCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000916 unedited
 GTATGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTCTGTTGAATTTTTTTGTTATTTTTATTTTTAAAGTTCATTGGTTTTTAGTACATT
 CTCAAATCGTGACAATCACCCTAATTCAGAACATTTTCATCACCCGAAAAAAAAC
 CCCAAACCCTTAGTAGTCATGCCTCATCTCACAGCCTCCAGGCCCTGGCAAACGCTAA
 TCTATATCACTCTATATAGATTCGTCCATTTTAGACATTGCATTTCAATGCAGTCAGAC
 AATATGTGGGCTTTTGCACCTGGCTTCTTTCACCTAGCAAGTTTTCAAGGCTCATCCATG
 TTGTGGCATGTGTGAGTACTTCATTTCTTTTTAGAGTCTAATAATGTTCCATTGCGTGGA
 CAGACCACATTTTATTTCCCATTCATCAGTTGGTAGACATTTGGGTTGTTTCCACTTTTT
 GGCTATTACAAATAATGTTGCTATGAACATTGGTGTACAAGTTTTGTGTGTATGTACGT
 TTTCAATTTCTCTGGGTAATACTAGGAGTGGCATTCTGGGTGATATGGTCACTCTAC
 GTTTAACTTTTTGAGGTAAGTCCAAACTGTTTTTCAAAGCAGGTGCACCATTTACATTCC
 CACCAACAATTTAAATTTCTACCAGTTTCTCTACATCTCACCGACACTCGTTCCTGTCC
 ATCTTTTTATTGAGCATCCTAGTGATTGTAAGTAACTGGAATCTCATTGTGATTTTGACTT
 GCATTTCCCTAATGAATAAATGTTGAGTATTTTTTTCATGTGGCTAGTACCATTTCATA
 TCTTCTTTGGAGAAATGCTATTCAAACCGTTAGCCCATTTTTAAATTGNATTATTTTTCT
 CCTATTGGGGGTTAAAGAATTATTTATATTTCCGAAACAAGCCCTTATATAATATGA
 CTCCAAATTTTTCCCTTTGCG

Restriction Sites:

NotI-NotI

ACCN:

NM_000916

Insert Size:

4500 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).

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| 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_000916.3 , NP_000907.2 |
| 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 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1-5 all encode the same protein.</p> |