

Product datasheet for **RR204321**

Oxtr (NM_012871) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxtr (NM_012871) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxtr
Synonyms:	OT-R; OTR; OTR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204321 representing NM_012871 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCAGCCAGCAGCCAACCTGGAGTGTGAGTTGGACCTCGGGAGTGGAGTGCCACCAGGGGAGG
AGGGCAACCGCACGGCCGGGCCACCACAACGCAACGAGGCCCTGGCGCGGTGGAGTGGCGTCTGTG
CCTCATTCTGTTCTGGCTCTGAGTGGCAACGCGTGTGTGCTGCTGGCGTGGCACCACGCGCCACAAG
CACTCGCGCTCTCTTTTTCATGAAGCACCTGAGCATCGCTGACCTGGTGGTGGCTGTGTTTCAGGTGC
TTCCGCAGCTGTGTGGACATCACCTCCGCTTCTATGGCCCGACCTGCTGTGTGCTGCTGGTCAAATA
CTTGCAGGTGGTGGCATGTTCCGCTCCACCTACCTGCTGCTGCTGATGTGCTCGCTCGACCGCTGTCTGGCC
ATCTGCCAGCCGCTGCGCTCCCTGCGCCGCCGAACCGACCGCTGGCGGTGCTGGGGACGTGGCTTGGCT
GCCTGGTGGCCAGTGTCCGCAGGTGCACATTTCTCGCTGCGCGAAGTGGCGGACGGAGTCTTCGATTG
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GTACCGGTTCATCGTGTGGCCGCTGCTACGGCCTCATCAGTTCAGATCTGGCAGAATCTGAGACTCA
AGACGGCAGCGCGCGCGCGGCTGCCGAGGGGAATGACGCGCGGGTGGAGCTGGCGTGGCGGCTTGGC
ACGGGTCAAGTGTCAAGCTTATCTCCAAGGCCAAAATCCGCACGGTGAAGATGACCTTCATCATCGTA
CTGGCTTCATCGTGTGCTGGACACCTTCTTCTCGTGCAGATGTGGAGCGTTTGGGACGTCAATGGC
CCAAGGAAGCTTCTGCCTTCATCATTGCCATGCTCTTGGCCAGCCTCAACAGCTGCTGCAACCCGTGGAT
CTACATGCTCTTACAGGTCACCTCTTCCACGAACTCGTGCAGCGCTTCTCTGTGCTCTGCTCGTTAC
CTGAAGGGCAGCCGGCCCGGCGAGACGAGTGTGAGCAAGAAGAGCAACTCATCCACCTTTGCTCTGAGCC
GTCGCAGCTCAAGCCAGAGGAGCTGCTCTCAGCCATCTTCAGCA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204321 representing NM_012871
Red=Cloning site Green=Tags(s)

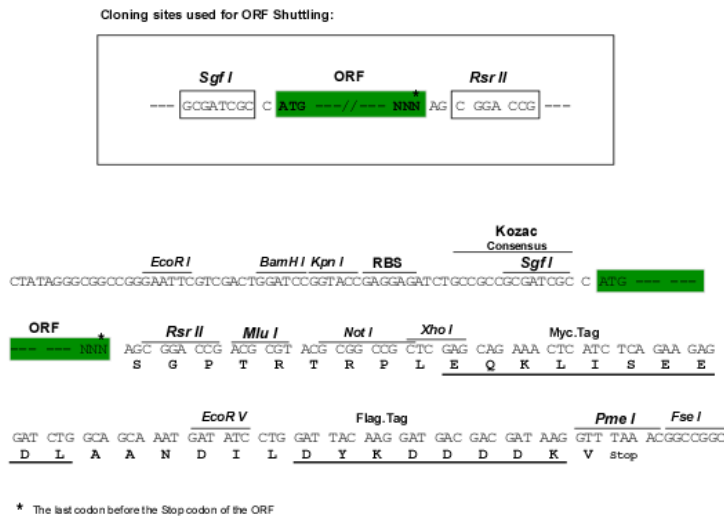
MEGTPAANWSVELDLGSGVPPGEEGRNTAGPPQRNEALARVEVAVLCLILFLALSGNACVLLALRTTRHK
 HSRLFFFMKHL SIADLVAVFQVLPQLLWDITFRFYGPDLLCRLVKYLQVVGMFASYLLLLMSLDRCLA
 ICQPLRSLRRRTDRLAVLGTWLGCLVASAPQVHIFSLREVADGVFDCWAVFIQPWGPKAYVTWITLAVYI
 VPVIVLAACYGLISFKIWQNLRLKTAATAAAAAEGNDAAGGAGRAALARVSSVKLISKAKIRTVMKTFIIV
 LAFIVCWTPFFVQMWVWDVNPKEASAFIIAMLLASLNSCCNPWIYMLFTGHLFHQLVQRFFCCSARY
 LKGSRPGETSVSKKSNSSTFVL SRRSSQRSCSQPSSA

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2173_a09.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



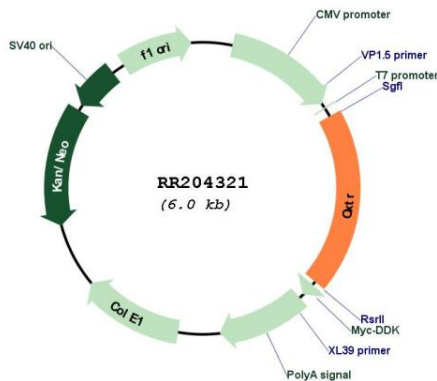
ACCN: NM_012871

ORF Size: 1164 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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_012871.3
RefSeq Size:	1167 bp
RefSeq ORF:	1167 bp
Locus ID:	25342
UniProt ID:	P70536
Cytogenetics:	4q41
MW:	43.3 kDa
Gene Summary:	G-protein coupled receptor for the peptide hormone, oxytocin [RGD, Feb 2006]

Product images:


Circular map for RR204321