

Product datasheet for MR225679

Oxtr (NM_001081147) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxtr (NM_001081147) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxtr
Synonyms:	OTR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225679 representing NM_001081147 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCAGCCCGCAGCCAACCTGGAGTATCGAGTTGGACCTCGGGAGTGGAGTGCCACCAGGGGCGG
AGGGTAACCTCACGGCCGGGCCACGACGCAACGAGGCCCTGGCGCGCTGGAGTGCGGCTCTGTG
TCTCATACTGTTCTGGCTCTGAGTGGCAACGCGTGCCTGCTGGCGTGCCTACGACGCGCCACAAG
CACTCGCGCCTCTCTTTTTCATGAAGCACCTGAGCATCGCCGACCTGGTGGTGGCCGTGTTCCAGTTC
TCCCGCAGCTGCTGTGGACATCACCTCCGCTTCTACGGGCCGACCTGCTGTGTGCTGTTGGTCAAATA
CTTGCAGGTGGTGGCATGTTCCGCTCCACCTACCTGCTGTTGCTGATGTCGCTCGACCGCTGCCTGGCC
ATCTGCCAGCCGCTGCGCTCACTGCGCCGCCGAACCGACCGCCTGGCGGTGCTGGCGACGTGGCTCGGCT
GCCTGGTGGCCAGCGTGGCCAGGTGCACATTTCTCGCTGCGCGAAGTGGCGGACGGCGTCTTCGATTG
CTGGGCGGTCTTCATCCAGCCCTGGGGACCCAAGGCCTACGTACGTGGATCACGCTCGCCGTCTACATT
GTACCGGTTCATCGTGTGGCCGCTGCTATGGTCTCATCAGTTCAGATCTGGCAGAATCTGCGACTCA
AGACGGCAGCCGCGCGGCGAGCTGCCGAGGGGAGTGACGCAGCCGGTGGAGCTGGCCGTGCGGCGTTGGC
ACGGGTCAAGTGTCAAGCTTATCTCCAAGGCCAAAATCCGCACAGTGAAGATGACCTTCATCATTGTT
CTGGCCTTCATCGTGTGCTGGACGCTTCTTCTCGTGCAGATGTGGAGCGCTGGGACGTCAATGCCG
CCAAAGAAGCTTCTGCCTTCATCATTGCCATGCTCTGGCCAGCCTCAACAGCTGCTGCAACCCATGGAT
CTACATGCTCTTCACGGCCATCTCTCCACGAACTCGTGACGCGCTTCTCTGCTGCTCTGCTCGGTAC
CTGAAGGGCAGCCGCGCTGGAGAGACGAGCATTAGCAAGAAAAGCAACTCCTCCACCTTCGCTCCTGAGTC
GTCGCAGCTCGAGTCAGAGGAGCTGTTCTCAACCATCCTCGGCA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225679 representing NM_001081147
Red=Cloning site Green=Tags(s)

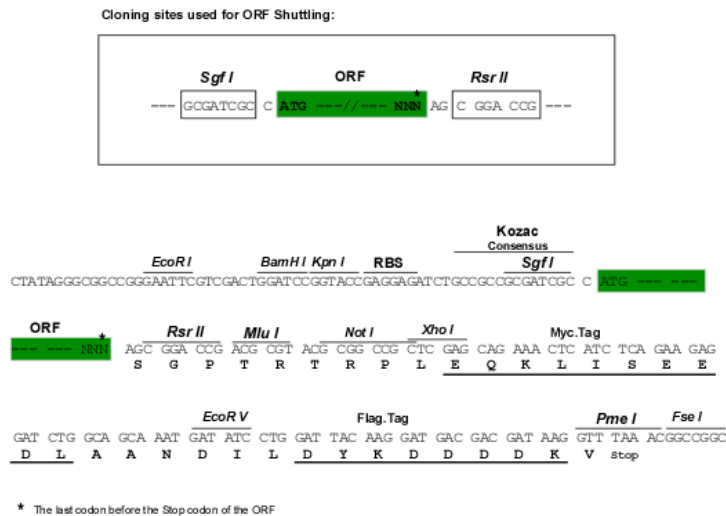
MEGTPAANWSIELDLGSGVPPGAEGNLTAGPPRRNEALARVEVAVLCLILFLALSGNACVLLALRTTRHK
 HSRLFFFMKHL SIADLVAVFQVLPQLLWDITFRFYGPDLLCRLVKYLQVVGMFASYLLLLMSLDRCLA
 ICQPLRSLRRRTDRLAVLATWLGCLVASVPQVHIFSLREVADGVFDCWAVFIQPWGPKAYVTWITLAVYI
 VPIVLAACYGLISFKIWQNLRLKTAATAAAAAEGSDAAGGAGRAALARVSSVKLISKAKIRTVMKTFIIV
 LAFIVCWTPFFVQMWVWDVNPKEASAFIIAMLLASLNSCCNPWIYMLFTGHLFHEL VQRFLCCSARY
 LKGSRPGETSISKKSNSSTFVL SRRSSSQRSCSQPSSA

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_h11.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001081147

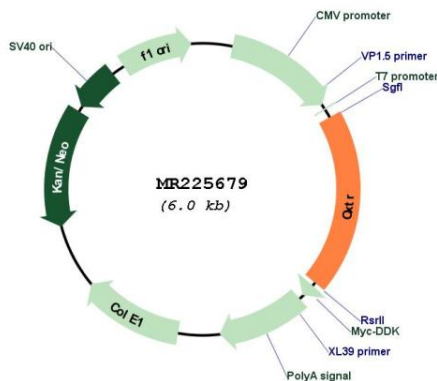
ORF Size: 1164 bp

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:	<u>NM_001081147.2</u>
RefSeq Size:	4568 bp
RefSeq ORF:	1167 bp
Locus ID:	18430
UniProt ID:	<u>P97926</u>
Cytogenetics:	6 E3
MW:	43.3 kDa
Gene Summary:	Receptor for oxytocin. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225679