

Product datasheet for **RN205302**

Oxt (NM_012996) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxt (NM_012996) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Oxt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205302 representing NM_012996 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGCCCCAGTCTTGCTTGCCTGCCTGGCCTACTGGCTCTGACCTCCGCCTGCTACATCCAGA
ACTGCCCCCTGGGCGCAAGAGGGCTGCGCTAGACCTGGATATGCGCAAGTGTCTTCCCTGCGGACCCGG
CGGCAAAGGGCGCTGCTCGGGCCGAGCATCTGCTGCGCGGACGAGCTGGGCTGCTTCGTGGCACCCGC
GAGGCGCTGCGCTGCCAGGAGAGAATACCTGCCCTCGCCCTGCCAGTCTGGCCAGAAGCCTTGCGGAA
GCGGAGGCCGCTGCGCCACCGCGGGCATCTGCTGTAGCCCGGATGGCTGCCGCACCGACCCCGCTGCCA
CCCTGAGTCTGCCTTCTCCGAGCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3412_a09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012996

Insert Size: 378 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).



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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_012996.3</u> , <u>NP_037128.1</u>
RefSeq Size:	534 bp
RefSeq ORF:	378 bp
Locus ID:	25504
UniProt ID:	<u>P01179</u>
Cytogenetics:	3q36
Gene Summary:	hormone involved in contraction of smooth muscle during parturition and lactation; gene encodes two proteins, oxytocin and neurophysin I [RGD, Feb 2006]