

## Product datasheet for **RN200404**

### Oprm1 (NM\_001038597) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Oprm1 (NM_001038597) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Oprm1
Synonyms:	MORA; Oprm; Oprm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200404 representing NM_001038597 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGACAGCAGCACCGGCCAGGAAACACCAGCGACTGCTCAGACCCCTTAGCTCAGGCAAGTTGCTCCC  
CAGCACCTGGCTCCTGGCTCAACTGTCCACGTTGATGGCAACCAGTCCGATCCATGCGGTCTGAACCG  
CACCGGGCTTGGCGGAAACGACAGCCTGTGCCCTCAGACCGGCAGCCCTCCATGGTCACAGCCATTACC  
ATCATGGCCCTACTCTATCGTGTGTGTAGTGGCCTCTTCGAAACTTCTGGTTCATGTATGTGATTG  
TAAGATACACCAAAATGAAGACTGCCACCAACATCTACATTTTCAACCTTGCTCTGGCAGACGCCTTAGC  
GACCAGTACACTGCCCTTTCAGAGTGTCAACTACCTGATGGGAACATGGCCCTTCGGAACCATCCTCTGC  
AAGATCGTGATCTCAATAGACTACAACATGTTACCAGCATATTCACCCTCTGCACCATGAGCGTGG  
ACCGCTACATTGCTGTCTGCCACCCAGTCAAAGCCCTGGATTTCCGTACCCCGAAATGCCAAAATCGT  
CAACGTCTGCAACTGGATCCTCTCTTCTGCCATCGGTCTGCCTGTAATGTTTCATGGCAACCACAAAATAC  
AGGCAGGGTCCATAGATTGCACCCTCAGTTCCTCCACCAACCTGGTACTGGGAGAACCTGCTCAAAA  
TCTGTCTTTATCTTCGCTTTCATCATGCCGGTCTCATCACTACTGTGTGTTACGGCCTGATGATCCTT  
ACGACTCAAGAGCGTTCGATGCTATCGGGCTCCAAGAAAAGGACAGGAATCTGCGCAGGATCACCCGG  
ATGGTGTGTTGCTGCTGCTGATTTATCGTCTGCTGGACCCCATCCACATCTACGTCATCATCAAAG  
CGCTGATCACGATTCCAGAAACCACATTTAGACCGTTCCTGGCACTTCTGCATTGCTTTGGGTTACAC  
GAACAGCTGCCTGAATCCAGTTCCTTACGCCTTCTGGATGAAAACCTCAAGCGATGCTTCAGAGAGTTC  
TGCATCCCAACCTCGTCCAGATCGAACAGCAAACTCCACTCGAGTCCGTCAGAACACTAGGGAACATC  
CCTCCACGGCTAATACAGTGGATCGAACTAACACCAGGTATGTGCTTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001038597
<b>Insert Size:</b>	1173 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001038597.2</a></u> , <u><a href="#">NP_001033686.1</a></u>
<b>RefSeq Size:</b>	1467 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	25601
<b>UniProt ID:</b>	<u><a href="#">P33535</a></u>
<b>Cytogenetics:</b>	1q11
<b>Gene Summary:</b>	receptor that binds morphine with high affinity [RGD, Feb 2006] Transcript Variant: This variant (MOR-1A) lacks several exons and its 3' terminal exon extends past a splice site that is used in variant MOR-1C2. This results in a novel 3' coding region and 3' UTR, compared to variant MOR-1B2. It encodes isoform 1A which is longer/shorter and has a distinct C-terminus, compared to isoform 1C2.