

## Product datasheet for **RN200406**

### **Oprm1 (NM\_001038600) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Oprm1 (NM_001038600) 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



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**Fully Sequenced ORF:** >RN200406 representing NM\_001038600  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACAGCAGCACCGGCCAGGGAACACCAGCGACTGCTCAGACCCCTTAGCTCAGGCAAGTTGCTCCC  
 CAGCACCTGGCTCCTGGCTCAACTTGCCACGTTGATGGCAACCAGTCCGATCCATGCGGTCTGAACCG  
 CACCGGGCTTGGCGGGAACGACAGCCTGTGCCCTCAGACCGGCAGCCCTCCATGGTCACAGCCATTACC  
 ATCATGGCCCTCTACTCTATCGTGTGTGTAGTGGGCTCTTCGAAAACCTCCTGGTCATGTATGTGATTG  
 TAAGATACACCAAAATGAAGACTGCCACCAACATCTACATTTTCAACCTTGCTCTGGCAGACGCCTTAGC  
 GACCAGTACACTGCCCTTCAGAGTGTCAACTACCTGATGGGAACATGGCCCTTCGGAACCATCCTCTGC  
 AAGATCGTGATCTCAATAGATTACTACAACATGTTACCAGCATATTCACCCTCTGCACCATGAGCGTGG  
 ACCGCTACATTGTGTCTGCCACCCAGTCAAAGCCCTGGATTTCCGTACCCCGAAATGCCAAAATCGT  
 CAACGTCTGCAACTGGATCCTCTCTTCTGCCATCGGTCTGCCTGTAATGTTTCATGGCAACCACAAAATAC  
 AGGCAGGGGTCCATAGATTGCACCCTCAGTTCCTCCACCCAACCTGGTACTGGGAGAACCTGCTCAAAA  
 TCTGTGCTTTATCTTCGCTTTCATCATGCCGGTCTCATCATCACTGTGTGTTACGGCCTGATGATCTT  
 ACGACTCAAGAGCGTTTCGCATGCTATCGGGCTCCAAAGAAAAGGACAGGAATCTGCGCAGGATCACCCGG  
 ATGGTGTGGTGGTGTGGCTGTATTTATCGTCTGCTGGACCCCATCCACATCTACGTCATCATCAAAG  
 CGCTGATCAGGATTCCAGAAACCACATTTACAGCCGTTTCTGGCACTTCTGCATTGCTTTGGGTTACAC  
 GAACAGCTGCCTGAATCCAGTTCCTTACGCCTTCTGGATGAAAACCTCAAGCGATGCTTCAGAGAGTTC  
 TGCATCCCAACCTCGTCCAGATCGAACAGCAAACTCCACTCGAGTCCGTCAGAACACTAGGGAACATC  
 CCTCCACGGCTAATACAGTGGATCGAACTAACCCAGCCCTGGCAGTCAGCGTGGCCAGATCTT  
 TACAGGATATCCTTCTCCGACTCATGGTAAAAACCTGCAAGAGTTACAGGGACAGACCTAGACCCTGT  
 GGAAGAACGTGGTCTTTGAAATCGCGTGCAGAATCCAATGTGGAGCACTTCCATTGTGGAGCCGATTAA  
 TCTATAACAATGTGAATTCATC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001038600

**Insert Size:** 1356 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).

**Reconstitution Method:**

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\\_001038600.2](#), [NP\\_001033689.1](#)

RefSeq Size: 1602 bp

RefSeq ORF: 1356 bp

Locus ID: 25601

UniProt ID: [P33535](#)

Cytogenetics: 1q11

Gene Summary: receptor that binds morphine with high affinity [RGD, Feb 2006]  
Transcript Variant: This variant (MOR-1C1) lacks an alternate segment in the 3' region, compared to variant MOR-1C2. It encodes isoform 1C1 which has is shorter than isoform 1C2.