

Product datasheet for **RN200407**

Oprm1 (NM_001038601) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oprm1 (NM_001038601) 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



[View online »](#)

Fully Sequenced ORF: >RN200407 representing NM_001038601
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAGCAGCACCCGGCCAGGGAACACCAGCGACTGCTCAGACCCCTTAGCTCAGGCAAGTTGCTCCC
 CAGCACCTGGCTCCTGGCTCAACTTGCCACGTTGATGGCAACCAGTCCGATCCATGCGGTCTGAACCG
 CACCGGGCTTGGCGGGAACGACAGCCTGTGCCCTCAGACCGGCAGCCCTCCATGGTCACAGCCATTACC
 ATCATGGCCCTCTACTCTATCGTGTGTGTAGTGGGCTCTTCGAAACTTCTGGTTCATGTATGTGATTG
 TAAGATACACCAAAATGAAGACTGCCACCAACATCTACATTTTCAACCTTGGTCTGGCAGACGCCTTAGC
 GACCAGTACACTGCCCTTCAGAGTGTCAACTACCTGATGGGAACATGGCCCTTCGGAACCATCCTCTGC
 AAGATCGTGATCTCAATAGATTACTACAACATGTTACCAGCATATTCACCCTCTGCACCATGAGCGTGG
 ACCGCTACATTGTGTCTGCCACCCAGTCAAAGCCCTGGATTTCCGTACCCCGAAATGCCAAAATCGT
 CAACGTCTGCAACTGGATCCTCTCTTCTGCCATCGGTCTGCCTGTAATGTTTCATGGCAACCACAAAATAC
 AGGCAGGGGTCCATAGATTGCACCCTCAGTTCTCCACCCAACCTGGTACTGGGAGAACCTGCTCAAAA
 TCTGTGCTTTATCTTCGCTTTCATCATGCCGGTCTCATCATCACTGTGTGTTACGGCCTGATGATCTT
 ACGACTCAAGAGCGTTTCGCATGCTATCGGGCTCCAAAGAAAAGGACAGGAATCTGCGCAGGATCACCCGG
 ATGGTGTGGTGGTGTGGTGTATTTATCGTCTGCTGGACCCCATCCACATCTACGTCATCATCAAAG
 CGCTGATCAGGATCCAGAAACCAATTCAGACCGTTTCTGGCACTTCTGCATTGCTTTGGGTTACAC
 GAACAGCTGCCTGAATCCAGTTCTTTACGCCTTCTGGATGAAAACCTCAAGCGATGCTTCAGAGAGTTC
 TGCATCCCAACCTCGTCCAGATCGAACAGCAAACTCCAACCGAGTCCGTCAGAACACTAGGGAACATC
 CCTCCACGGCTAATACAGTGGATCGAACTAACCCAGCCAGCCCTGGCAGTCAGCGTGGCCAGATCTT
 TACAGGATATCCTTCTCCGACTCATGGTAAAAACCTGCAAGAGTTACAGGGACAGACCTAGACCCTGT
 GGAAAGACGTGGTCTTTGAAATCGCGTGCAGAATCCAATGTGGAGCACTCCATTGTGGACCGCATTAA
 TCTATAACAATGAACTAAAAATAGGGCCAGTGTCTGGCTCCAGATGCCTGCGCACGTGCTCGTGCGCC
 CTGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001038601

Insert Size: 1407 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_001038601.2](#), [NP_001033690.1](#)
RefSeq Size: 1649 bp
RefSeq ORF: 1407 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-1C2) encodes the longest isoform (1C2).