

Product datasheet for **MC227328**

Oprm1 (NM_001302795) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oprm1 (NM_001302795) Mouse Untagged Clone
Tag: Tag Free
Symbol: Oprm1
Synonyms: m; M-OR-1; MO; MOP-R; mor; MOR-1; MOR-1O; mu; muOR; O; Oprm
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227328 representing NM_001302795
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGAAGCTTTCTCTAAGTCTGCATTCCAAAAGCTCAGACAGAGAGATGAAATCAAGAGGGGAAGA
GTTACCTCAGATATACAAAATGAAGACTGCCACCAACATCTACATTTTCAACCTTGCTCTGGCAGATGC
CTTAGCCACTAGCAGCTGCCCTTTCAGAGTGTTAACTACCTGATGGAAACGTGGCCCTTTGAAACATC
CTCTGCAAGATCGTGATCTCAATAGACTACTACAACATGTTACCAAGTATCTTCACCCTCTGCACCATGA
GTGTAGACCGCTACATTGCCGTCTGCCACCCGGTCAAGGCCCTGGATTTCCGTACCCCCGAAATGCCAA
AATTGTCAATGTCTGCAACTGGATCCTCTCTTCTGCCATTGGTCTGCCCGTAATGTTTCATGGCAACCACA
AAATACAGGCAGGGGTCCATAGATTGCACCCTCACGTTCTCTATCCCACATGGTACTGGGAGAACCCTGC
TCAAAATCTGTGTCTTCATCTTCGCCTTCATCATGCCGGTCTCATCACTGTGTGTTATGGACTGAT
GATCTTACGACTCAAGAGTGTCCGATGCTGTCCGGCTCCAAAGAAAAGGACAGGAACCTGCCGAGGATC
ACCCGGATGGTGTGGTGGTGGTGTATTTATTGTCTGTGGACCCCATCCACATCTATGTATCA
TCAAAGCACTGATCAGATTCCAGAAACCACTTCCAGACTGTTTCTGCACTTCTGCATGCTTTGGA
TTACACAAACAGCTGCCTGAACCCAGTTCTTTATGCGTTCTGGATGAAAACCTCAACGATGTTTTAGA
GAGTTCTGCATCCCAACTTCTCCACAATCGAACAGAAAACCTCTGCTCGAATCCGTCAAAAACACTAGGG
AACACCCCTCCACGGCTAATACAGTGGATCGAACTAACACCAGCCAACCCTGGCAGTCAGCGTGGCCCA
GATCTTTACAGGATATCCTTCTCCGACTCATGTTGAAAAACCTGCAAGAGTTGCATGGACAGGGAATG
AGGAACCTTCTTCTGATGATGGCCAAGACAGGAATCCGGGGAAGGCCAGCTTGGCAGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302795



Insert Size:	1113 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001302795.1, NP_001289724.1</u>
RefSeq Size:	2179 bp
RefSeq ORF:	1113 bp
Locus ID:	18390
UniProt ID:	<u>P42866</u>
Cytogenetics:	10 1.85 cM
Gene Summary:	This gene encodes the mu opioid receptor which is where drugs such as morphine and other opioids have pharmacological effects. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014] Transcript Variant: This variant (MOR-1M) has an alternate exon in place of the 5'-most exon compared to MOR-1U. The resulting isoform (MOR-1M) has a shorter and distinct N-terminus compared to isoform MOR-1U.