

## Product datasheet for **MC227489**

### Oprm1 (NM\_001302793) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Oprm1 (NM_001302793) 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001302793
Insert Size:	1197 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"><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>
RefSeq:	<a href="#">NM_001302793.1</a> , <a href="#">NP_001289722.1</a>



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RefSeq Size: 2230 bp

RefSeq ORF: 1197 bp

Locus ID: 18390

UniProt ID: [P42866](#)

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-1) lacks several 3' coding exons and contains an alternate 3' coding exon compared to variant MOR-1U. The resulting isoform (MOR-1) has a shorter and distinct C-terminus compared to isoform MOR-1U. This variant likely represents the major transcript of this gene. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.