

Product datasheet for RN200402

Oprm1 (NM_001038599) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oprm1 (NM_001038599) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Oprm1
Synonyms:	MORA; Oprm; Oprm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200402 representing NM_001038599 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCAGCACCGGCCAGGGAACACCAGCGACTGCTCAGACCCCTTAGCTCAGGCAAGTTGCTCCC
CAGCACCTGGCTCCTGGCTCAACTGTCCACGTTGATGGCAACCAGTCCGATCCATGCGGTCTGAACCG
CACCGGGCTTGGCGGGAACGACAGCCTGTGCCCTCAGACCGGCAGCCCTCCATGGTCACAGCCATTACC
ATCATGGCCCTACTCTATCGTGTGTAGTGGCCTCTCGGAACTCCTGGTCATGTATGTGATTG
TAAGATACACAAAATGAAGACTGCCACCAACATCTACATTTTCAACCTGCTCTGGCAGACGCCTTAGC
GACCAGTACACTGCCCTTCAGAGTGTCAACTACCTGATGGGAACATGGCCCTTCGGAACCATCCTCTGC
AAGATCGTGATCTCAATAGATTACTACAACATGTTCAACAGCATATTCACCCCTCTGCACCATGAGCGTGG
ACCGCTACATTGCTGTCTGCCACCCAGTCAAAGCCCTGGATTTCCGTACCCCGGAAATGCCAAAATCGT
CAACGTCTGCAACTGGATCCTCTCTTCTGCCATCGGTCTGCCTGTAATGTTTCATGGCAACCACAAAATAC
AGGCAGGGGTCCATAGATTGCACCCTCACGTTCTCCACCAACCTGGTACTGGGAGAACCTGCTCAAAA
TCTGTCTTTATCTTCGCTTTCATCATGCCGGTCTCATCATCACTGTGTGTTACGGCCTGATGATCTT
ACGACTCAAGAGCGTTCGCATGCTATCGGGCTCCAAAGAAAAGGACAGGAATCTGCGCAGGATCACCCGG
ATGGTCTGGTGGTCTGGCTGTATTTATCGTCTGCTGGACCCCATCCACATCAGTCATCATCAAAG
CGCTGATCAGATTCCAGAAAACACATTTTCAGACCGTTTCTGGCACTTCTGCATTGCTTTGGGTTACAC
GAACAGCTGCCTGAATCCAGTTCTTTACGCCTTCTGGATGAAAACCTCAAGCGATGCTTCAGAGAGTTC
TGCATCCCAACCTCGTCCACGATCGAACAGAAAACCTCCACTCGAGTCCGTGAGAACACTAGGGAACATC
CCTCCACGGCTAATACAGTGGATCGAACTAACACCAGGAGCCTCAGTCAGTAGAGACA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1670_a04.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001038599
Insert Size:	1182 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:	<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:	NM_001038599.2 , NP_001033688.2
RefSeq Size:	1794 bp
RefSeq ORF:	1182 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-1B2) lacks several exons and contains an alternate terminal exon compared to variant MOR-1C2. The encoded isoform (1B2) is shorter than isoform 1C2. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.