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Product datasheet for MC203402

Oprl1 (NM_011012) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oprl1 (NM_011012) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Oprl1
Synonyms:	KOR-3; KOR3; LC13; LC132; mo; MOR; MOR-C; morc; NOP; O; Oprl; ORGC; ORL1; XO; XOR1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

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>BC050885
GCCATTCCCAGCCGGAGCAGACCCCAAGCTAGAGTGAGAAGCATTACTCAGTTCATTGTGCTCCTGCCTG
CCTTTCTGCTAAGCATTAGGGTCTGTTTTGGCCCAGCTTCTGAAGAGGTTGTGTGTGCTGTTGGAGGAAC
TGTACTGAGTGGCTTTGCAGGGTGACAGCATGGAGTCCCTCTTTCCTGCCCCATTCTGGGAGGTCTTGTA
TGGCAGCCACTTTCAAGGGAACCTGTCTCTCCTAAATGAGACCGTACCCCATCACCTGCTCCTCAATGCT
AGCCACAGTGCCTTCCTGCCCCTTGGACTCAAGGTCACCATCGTGGGGCTCTACTTGGCTGTGTGCATCG
GGGGGCTCCTGGGGAACTGCCTCGTCATGTATGTCATCCTCAGGCACACCAAGATGAAGACTGCTACCAA
CATTTACATATTTAATCTGGCACTGGCTGATACCCTGGTCTTGCTGACACTGCCCTTCCAGGGCACAGAC
ATCCTTCTGGGCTTCTGGCCATTTGGGAATGCACTGTGCAAGACGGTCATTGCTATCGACTACTACAACA
TGTTTACCAGCACTTTCACTTTGACTGCCATGAGTGTAGACCGTTATGTAGCTATCTGCCACCCTATCCG
TGCCCTTGATGTTCGGACATCCAGTAAAGCCCAGGCCGTTAATGTGGCCATATGGGCCCTGGCTTCGGTG
GTTGGTGTTCCTGTTGCCATCATGGGCTCAGCACAAGTGGAGGATGAAGAGATCGAGTGCCTGGTGGAGA
TCCCCGCCCCTCAGGACTATTGGGGCCCTGTATTTGCCATCTGCATCTTCCTTTTTTCCTTCATCATCCC
GGTTCTGATCATCTCTGTCTGCTACAGCCTCATGATTCGACGACTTCGTGGTGTCCGGCTGCTTTCAGGC
TCCCGAGAGAAGGACCGGAACCTGCGACGCATCACACGGCTGGTACTGGTAGTTGTGGCTGTGTTTGTGG
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CATGGAAACATCCACAACTCAGTGGACATGCCTGGTGAACCCATGTAGGTATTCATGGTTCACTTGACTC
TTCTCTGGTTTCTCCCTGCTGCCCTGGTTCTAGGTGGGCTCAGCCTGAGGTATTGTAGTTGTCATGTAGT
CACTATTGTGACTACCTGTTGTGTGCTATTGCCCTCAGCCTTTCAGTGTTTGCACAGAACTGGTGATCAT
ACCCAGTGTTGCCTGGCCCTTAAGCTTGGAGTTGCCTTGGAGCATCTAGTTCTGACTCCACTGATGCATT
CAGATTACCTGAGGTGGGTGAGCATCAGTGGGTTCTTGGATGACTGTTTCCTGACGATTCTTTTCATGCT
GTACTATGGAGTATATGAAGGGGACTTCACACTTCATCTGGTACTGCCACTGCCTGCTCTACCAACCTGG
ACCACCTTCTCAGCAAGAGGCTAGCAGGGGGACAAGACACAAAGCTTCCCTAAGGCTCTTTCCCTCCAAA
ACCACTGTGAACTCTTATTCTACAGACTGTTTGGCAAGCCCTGCTTCTAACTGTGTGGGAAGTAATCAGG
AGAAAATTCTGTGGCCTCTGTAGGCTGCTCACAGCATGGAGGCACCACATGCTGGTCTTGGGTATGTGTC
TTGGCTGCTCAGTATGGGCAGGGCAGGGCACGAGACTATGCTCTCTCCTTATTCTCCACAGCCTCCCTCA
GCTCTCCAGCAGTCGCTCTTTTACTTGACAGTAGAGGTCAGCAGTTGTACTGCTAGAAACACACTTGTAG
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TAGGACATATCCAAGCAAGGCCTGGGCTTGGCATCAAATGAAGAGCTGGTATGAGAGCTGAAGCCTAAAA
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GAGATATATTGTTGGTTCACAGAAGAAGAGGCTTTGTAAATGCCCTTTCTATGGGTCAGATAAAAAAATA
CCAGCAACCTTGGATAGAATCTGATCTTACACAGAGACCTTGGTTAGGTGGTTTCATGCCATGCAGAACC
CAGGCTGGTTCCTGTCTCAGAGAGACCTGGCCTTAACAATCTTTCTGGGGAGACCAGGGTTCTTTCAATG
ACACTTGTGCAGGAGCCATTAGCTCTAGTGTTTTCTTGCTAATGCTAGAAACTTTGTGAATTTGTATATC
TTTATGTATTTAAGCATGCAACAAATGTCATTTTCGTGCATGTAGCTAGCCCTGAACCTGCCTCTGGGGT
AATGAAGGAGTTCTCATAATAAACACTTACCAGTGACCAGTAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: AscI-NotI

ACCN: NM_011012

Insert Size: 1104 bp

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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:	BC050885, AAH50885
RefSeq Size:	2934 bp
RefSeq ORF:	1104 bp
Locus ID:	18389
UniProt ID:	P35377
Cytogenetics:	2 103.74 cM
Gene Summary:	The protein encoded by this gene is a member of the 7 transmembrane-spanning G protein-coupled receptor family, and functions as a receptor for the endogenous, opioid-related neuropeptide, nociceptin/orphanin FQ. This receptor-ligand system modulates a variety of biological functions and neurobehavior, including stress responses and anxiety behavior, learning and memory, locomotor activity, and inflammatory and immune responses. Alternatively spliced transcript variants have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2017] Transcript Variant: This variant (1) represents the predominant transcript and encodes two isoforms, which result from the use of alternative in-frame translation termination codons. The shorter isoform (1) results from translation termination at the upstream UGA stop codon, while the longer isoform (1x) results from UGA stop codon readthrough to the downstream UAG termination codon. This RefSeq represents the shorter isoform (1). Variants 1 and 2 encode the same isoform.

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