

## Product datasheet for MC212899

### Hcrtr1 (NM\_198959) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hcrtr1 (NM\_198959) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hcrtr1  
**Synonyms:** ox-1-R; ox1-R; Ox1r  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC212899 representing NM\_198959  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACCCTCGGCCACTCCTGGGGCCAGCCTGGAGTCCCCACTAGTAGTGGGGAACCCTTCCATCTGC  
 CTCCAGACTATGAGGACGAGTTCCTCCGATACCTGTGGCGGATTATCTTACCCGAAGCAGTACGAGTG  
 GGTTCATTGCAGCCTACGTGGCTGTGTTCTCATAGCCTTGGTGGCAATACCCTGGTCTGCCTGGCT  
 GTGTGGCGGAACCACCACATGAGGACAGTCACCAACTACTTCATTGTCAACCTGTCCCTGGCAGATGTGC  
 TGGTGACTGCCATCTGCCTGCCTGCCAGCCTGTTAGTGGACATCACCGAGTCGTGGCTCTTCGGCCAGGC  
 TTTGTGCAAGGTCAATCCCTATCTCCAGGCTGTGTCGGTGTCAAGTGGCAGTGTGACTCTCAGCTTCATC  
 GCCCTGGACCGCTGGTATGCCATCTGCCACCCACTGTTGTTCAAGAGCACAGCTCGCCGTGCCCGTGGCT  
 CCATCCTGGGCATCTGGGCTGTGTGCTGGCTGTGATGGTCCCCAGGCTGCTGTGATGGAGTGCAGCAG  
 CGTGCTGCCTGAGCTAGCCAATCGCACCCGGCTCTTCTGTCTGTGATGAGCACTGGGCAGATGAACCTC  
 TACCCCAAGATCTATCACAGCTGCTTTTTCATTGTACCTACCTGGCCCCACTGGGCCTCATGGCTATGG  
 CCTATTTCCAGATCTTCCGCAAGCTCTGGGGCCGCGAGATCCCTGGTACCACATCAGCCTTGGTGGCGAA  
 CTGGAAACGGCCCTCGGAACAACCTGGAGGCTCAGCACCAGGGCCCTGTACAGAGCCCCAGCCCCGGCC  
 CGAGCCTTCTGGCTGAGGTGAAGCAGATGCGAGCTCGGAGGAAGACGGCTAAGATGCTGATGGTAGTGC  
 TGCTGGTTTTTGCACTCTGTTATCTGCCATCAGTGTCCCAATGTCTTAAGAGAGTGTTCGGGATGTT  
 CCGCCAAGCCAGCGACCGGAAGCCGTCTACGCCTGCTTACCTTCTCCCACTGGCTAGTGTACGCCAAC  
 AGTGCCGCCAACCTATCATCTACAACCTCCTCAGTGGCAAATTCGGGAGCAGTTCAAGGCTGCCTTCT  
 CCTGCTGCCTGCCTGGTCTGGGTCCCGCTCCTCTGCCAGACACAAGTCTTGTCTTGCAGAGCCGCTG  
 CTCGCTCCAAGGTCTCTGAGCATGTCGTGCTGACCACCGTCACTACCGTGTCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_198959
<b>Insert Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<a href="#">NM_198959.2</a> , <a href="#">NP_945197.2</a>
<b>RefSeq Size:</b>	2202 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	230777
<b>UniProt ID:</b>	<a href="#">P58307</a>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	<p>Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide. Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 2 encode the same isoform. 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.</p>