

Product datasheet for MC212898

Hcrtr1 (NM_001163027) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hcrtr1 (NM_001163027) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Hcrtr1
 Synonyms: ox-1-R; ox1-R; Ox1r
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC212898 representing NM_001163027
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAACCCTCGGCCACTCCTGGGGCCAGCCTGGAGTCCCCACTAGTAGTGGGGAACCCCTCCATCTGC
 CTCCAGACTATGAGGACGAGTTCCTCCGATACCTGTGGCGGATTATCTCTACCCGAAGCAGTACGAGTG
 GGTTCATTGCAGCCTACGTGGCTGTGTTCCTCATAGCCTTGGTGGCAATACCCTGGTCTGCCTGGCT
 GTGTGGCGGAACCACCACATGAGGACAGTCACTCACTTTCATTGTCAACCTGTCCCTGGCAGATGTGC
 TGGTACTGCCATCTGCCTGCCAGCCTGTTAGTGGACATACCGAGTCTGGCTCTTCGGCCAGGC
 TTTGTGCAAGGTCATTCCCTATCTCCAGGCTGTGTGGTGTCAAGAGCACAGCTCGCCGTGCCCGTGGCT
 GCCCTGGACCGCTGGTATGCCATCTGCCACCCACTGTTGTTCAAGAGCACAGCTCGCCGTGCCCGTGGCT
 CCATCTGGGCATCTGGGCTGTGTGGTGTGATGGTGGCCAGGCTGTGTGATGGAGTGCAGCAG
 CGTGTGCCTGAGCTAGCCAATCGCACCCGGCTCTTCTGTCTGTGATGAGCACTGGGCAGATGAACCT
 TACCCCAAGATCTATCACAGCTGCTTTTTCATTGTACCTACCTGGCCCACTGGCCCTCATGGCTATGG
 CCTATTTCCAGATCTTCCGCAAGCTCTGGGGCCGCCAGATCCCTGGTACCACATCAGCCTTGGTGGGAA
 CTGGAAACGGCCCTCGGAACAACCTGGAGGCTCAGCACCCAGGCGCTGTGTACAGAGCCCAAGCCCGGGCC
 CGAGCCTTCTGGCTGAGGTGAAGCAGATGCGAGCTCGGAGGAAGACGGCTAAGATGCTGATGGTGTGCT
 TGCTGGTTTTTGCAGTCTGTTATCTGCCATCAGTGTCTCAATGTCTTAAAGAGAGTGTTCGGGATGTT
 CCGCAAGCCAGCGACCGGAAGCCGTCTACGCTGCTTACCTTCTCCCACTGGCTAGTGTACGCCAAC
 AGTGCCGCAACCCTATCATCTACAACCTCCTCAGTGGCAAATTCGGGAGCAGTTCAAGGCTGCCTTCT
 CCTGCTGCCTGCCTGGTCTGGGTCCCGGCTCCTCTGCCAGACACAAGTCTTGTCTTGCAGAGCCGCTG
 CTCCGTCTCAAGGTCTCTGAGCATGTCGTGCTGACCACCGTCACTACCGTGTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001163027
Insert Size:	1251 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_001163027.1 , NP_001156499.1
RefSeq Size:	2176 bp
RefSeq ORF:	1251 bp
Locus ID:	230777
UniProt ID:	P58307
Cytogenetics:	4 D2.2
Gene Summary:	<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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode isoform 1.</p>