

## Product datasheet for RN213868

### Hcrtr1 (NM\_013064) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hcrtr1 (NM_013064) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hcrtr1
Synonyms:	Hctr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213868 representing NM_013064 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACCCTCAGCCACGCCTGGGGCCAGCCCGGAGTCCCCACTAGCAGTGGGGAACCCTCCACCTGC  
CTCCAGACTATGAGGACGAGTTCCTCCGCTACCTGTGGCGGATTATCTCTATCCGAAGCAGTACGAGTG  
GGTTCATCGCGGCCTACGTGGCGTGTTCATAGCCTTGGTGGCAACACTCTGGTCTGCCTGGCT  
GTGTGGCGGAACCACCACATGAGGACAGTCACCAACTACTTCATTGTCAACCTGTCCCTGGCAGATGTGC  
TGGTACTGCCATCTGCCTGCCTGCCAGCTGTTAGTGGACATCACCGAATCATGGCTCTTCGGCCATGC  
CTGTGCAAGGTCATCCCTATCTCCAGGCCGTGTCGGTGTGAGTGGCAGTGCTGACTCTCAGCTTCATC  
GCCCTGGACCGCTGGTATGCCATCTGCCACCCTCTGCTGTTCAAGAGCACAGCTCGCCGTGCCCGTGGCT  
CCATCCTGGGCATCTGGGCTGTGTGCTGGCTGTGATGGTCCCCAGGCCGTGTGATGGAATGCAGCAG  
TGTTCTGCCCCGAGCTAGCCAATCGCACAGGCTCTTCTGTCTGTGATGAGCGCTGGGCAGATGAACTC  
TACCCTAAGATCTACCACAGCTGCTTCTTTGTACCTACCTGGCCCCGCTGGGCCTCATGGGCATGG  
CCTATTTCCAGATCTCCGCAAGCTCTGGGGCCCCAGATCCCGGTACCACATCGGCCCTGGTGGCGAA  
CTGGAAGCGACCCTCAGAGCAACTGGAAGCTCAGCACCAGGCCCTGTGTACAGAGCCCCAACCCCGGCC  
CGAGCCTTCTGGCCGAGGTGAAGCAGATGCGAGCTCGGAGGAAGACTGCCAAGATGCTGATGGTGGTTC  
TGCTGGTTTTTGCACTCTGTTATCTGCCATCAGTGTCCCAATGTCCTTAAAAGAGTGTTGGGATGTT  
TCGCCAAGCCAGCGACCGGAAGCTGTCTACGCCTGCTTACCTTCTCCCACTGGCTGGTGTACGCCAAC  
AGTGGCGCAACCCTATCATCTACAACCTTCTCAGTGGCAAATTCGGGAGCAGTTCAAGGCTGCATTCT  
CCTGCTGCCTGCCTGGTCTGGGTCCCAGCTCCTCTGCCAGACACAAGTCCTTGTCTTGCAGAGCCGGTG  
TTCTGTCTCCAAAGTCTCTGAGCATGTTGTGCTGACCACAGTCACTACAGTGTCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1910_g08.zip">https://cdn.origene.com/chromatograms/ja1910_g08.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_013064
<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_013064.1</a> , <a href="#">NP_037196.1</a>
<b>RefSeq Size:</b>	2469 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	25593
<b>UniProt ID:</b>	<a href="#">P56718</a>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	neuropeptide receptor that binds orexin A; mediates orexin A modulation of the sleep-wake cycle [RGD, Feb 2006]