

Product datasheet for **RN206731**

Hcrtr2 (NM_013074) Rat Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Hcrtr2 (NM_013074) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Hcrtr2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN206731 representing NM_013074
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAGCACCAAATTGGAGGATTCCTCCCTCGTCCAACTGGTCATCTGCTTCGGAGCTGAATGAAA
 CTAAGAGCCGTTTTTAAACCCACAGACTATGACGACGAGGAATTCCTGCGGTACCTGTGGAGGGAATA
 CCTACACCCGAAAAGAATATGAGTGGTCTGATCGCAGGGTATATCATCGTGTTCTGCTGGCTCTCATC
 GGAACGTCTGGTCTGCGTGGCAGTGTGGAAGAACCACCACATGAGGACAGTCACCAACTACTTCATAG
 TCAACCTCTCCCTGGCTGATGTGCTTGTGACCATCACCTGCCTCCAGCCACCCTTGTGTTGACATCAC
 CGAGACTTGGTCTTTGGACAGTCCCTCTGTAAGGTATCCCTTATTTACAGACTGTGTCAGTGTCTGTG
 TCTGTTCTTACATTGAGCTGCATTGCCCTGGACCGATGGTACGCCATTTGTACCCTTTGATGTTCAAGA
 GCACAGCCAAACGGGCTCGAAACAGCATCGTTGCATCTGGATCGTCTCCTGCATCATAATGATTCCTCA
 AGCCATTGTGATGGAGCGCAGCAGCATGCTCCCTGGCCTAGCCAATAAGACCACCCTCTTACAGTCTGC
 GATGAACGCTGGGAGGTGAAGTTACCCAAAGATGTACCACATCTGCTTCTTTCTGGTGACGTACATGG
 CACCCCTGTGCTTATGGTATTGGCTTATCTCCAATATTCCTGAACTCTGGTGACAGACAGATTCCTGG
 AACTTCTTCTGTGGTTCAGAGAAAATGGAAGCAGCCCGAGCCGGTTTCTCAGCCCGGGGGTCCGGACAG
 CAGAGCAAGGCCCGGATTAGCGCTGTCGCTGCTGAGATAAAGCAGATCCGAGCACGAAGGAAAACAGCCC
 GGATGCTCATGGTTGACTTCTGGTCTTTGCAATTTGCTATCTACCAATCAGCATCTCAATGTGCTAAA
 GAGAGTGTTCGGGATGTTACACACACCCGAAGCAGAGAGACTGTCTACGCCTGGTTCACTTTTTCTCAT
 TGGCTTGTGTATGCCAATAGTGTGCAAACCAATTATTTATAATTTTCTCAGTGGAAAATTTTCGAGAGG
 AATTTAAAGCTGCCTTTCTTGGTCTTGGGGTTCATCGTCAAGGAGATCGCCTCGCCAGGGGACG
 CACAAGTACAGAGAGCAGGAAGTCCCTGACTACTCAGATCAGCAACTTTGATAATGTATCAAACTCTCA
 GAGCAGTGGCGCTACCCAGCATAAGCACACTCCAGCAGCCAACGGGGCAGGACCGCTTCAAACTGGT
 ATCTACAACAGGGAGTGCCATCTCACTCTGTCCACCTGGTGGAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1926_a10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_013074

Insert Size: 1383 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

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| 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: | <u>NM_013074.1</u> , <u>NP_037206.1</u> |
| RefSeq Size: | 3114 bp |
| RefSeq ORF: | 1383 bp |
| Locus ID: | 25605 |
| UniProt ID: | <u>P56719</u> |
| Cytogenetics: | 8q24 |
| Gene Summary: | G-protein coupled receptor that binds orexin neuropeptides; involved in regulation of feeding behavior [RGD, Feb 2006] |