

Product datasheet for **RN215222**

Hcrt (NM_013179) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hcrt (NM_013179) Rat Untagged Clone
Tag: Tag Free
Symbol: Hcrt
Synonyms: orexin-A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215222 representing NM_013179
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCTTCCTTCTACAAAGGTTCCCTGGGCCCGGTGACGCTGCTGCTGCTACTGCTGCCCGCGG
CGCTGCTGTCGTTGGGGTGGACGCGCAGCCTCTGCCCGACTGCTGTCGCCAGAAGAGCTGTTCTCGCC
TCTCTACGAAGTGTGCACGGAGCTGGCAACCACGCCGCGGCATCCTCACTCTGGGAAAGCGGCGACCT
GGACCCCAAGGCTCCAAGGACGGCTGCAGCGCTCCTTCAGGCCAACGGTAACCCAGCAGCTGGCATCC
TGACCATGGGCCCGCGCAGGCGCAGAGCTAGAGCCATATCCCTGCCCTGGTCGCCGCTGTCCGACTGC
AACCGCCACCGCTTTAGCGCCCCGGGGCGGATCCAGAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013179
Insert Size: 393 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:

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_013179.2](#), [NP_037311.1](#)

RefSeq Size: 581 bp

RefSeq ORF: 393 bp

Locus ID: 25723

UniProt ID: [O55232](#)

Cytogenetics: 10q31

Gene Summary: neuropeptide; involved in feeding behavior and hormone secretion regulation [RGD, Feb 2006]