

Product datasheet for MR222595

Hcrt (NM_010410) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hcrt (NM_010410) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Hcrt
 Synonyms: PPOX
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR222595 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCTTCCTTCTACAAAGTTCCCTGGGCCGCCGTGACGCTGCTGCTGCTACTGCTGCCCGCG
 CGCTGCTGTCGCTTGGGGTGGACGCACAGCCTCTGCCGACTGCTGTGCCAGAAGACGTGTTCTGCCG
 TCTCTACGAAGTGTGCACGGAGCTGGCAACCACGCTGCGGGTATCCTGACTCTGGGAAAGCGCGGCCT
 GGACCTCCAGGCCTCCAGGGACGGCTGCAGCGCCTCCTCAGGCCAACGGTAACCACGCAGCTGGCATCC
 TGACCATGGGCCCGCCGCGAGGCGCAGAGCTAGAGCCACATCCCTGCTCTGGTCGCGGCTGTCCGACCGT
 AACTACCACCGCTTTAGCACCCCGGGGAGGGTCCGGAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222595 protein sequence
 Red=Cloning site Green=Tags(s)

MNFPSTKVPWAAVTL LLLLLLPPALLSLGVDAQPLPDCCRQKTCSCRLYELLHGAGNHAAGILTLGKRRP
 GPPGLQGRLLQANGNHAAGILTMGRRAGAELEPHPCSGRGCPVTTTALAPRGGSGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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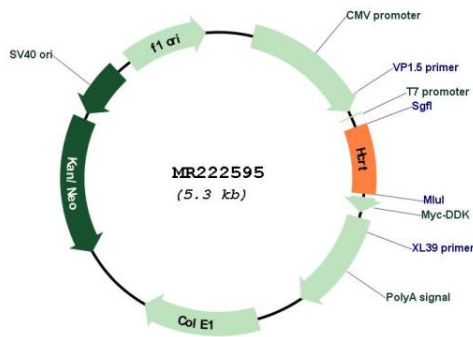
UniProt ID: [O55241](#)

Cytogenetics: 11 63.6 cM

MW: 13.5 kDa

Gene Summary: This gene encodes a hypothalamic neuropeptide precursor protein that gives rise to two mature neuropeptides, orexin A and orexin B, by proteolytic processing. Orexin A and orexin B, which bind to orphan G-protein coupled receptors Hcrr1 and Hcrr2, function in the regulation of sleep and arousal. This neuropeptide arrangement may also play a role in feeding behavior, metabolism, and homeostasis. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR222595