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Product datasheet for RN206267

Cckbr (NM_013165) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cckbr (NM_013165) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cckbr
Synonyms:	Cck2r; Cholrec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN206267 representing NM_013165
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGCTCAAGCTGAACCGCAGCGTGCAGGGACCAGGACCCGGGTCGGGGTCTTCTTTGTGCCGCC
CGGGTGTCTCCCTTCTCAACAGCAGTAGTGCCGGGAACCTCAGCTGTGACCCCCCTCGTATCCGCGGAAC
CGGGACCAGAGAATTGGAGATGGCGATTAGAATCACCCTTTATGCAGTGATCTTTCTGATGAGTGTTGGC
GGAAACGTGCTCATCATCGTGGTCCTGGGACTGAGCCGACGCCTAAGAACGGTCACCAACGCCTTCCTGC
TCTCCCTGGCAGTCAGCGACCTCCTGCTGGCCGTGGCTTGCATGCCCTTCACACTCCTGCCCAACCTCAT
GGGCACATTCATCTTCGGCACAGTCATCTGCAAGGCCATTTCCTACCTCATGGGGGTATCAGTGAGTGTA
TCCACTCTAAATCTCGTGGCCATAGCCCTGGAGCGATACAGCGCCATCTGCCGACCACTGCAAGCACGAG
TATGGCAAACACGCTCCCACGCAGCTCGGGTGATCTTAGCCACGTGGCTGCTGTCTGGACTGCTTATGGT
ACCCTACCCTGTGTACACCATGGTACAGCCAGTGGGACCTCGAGTGCTGCAGTGCATGCATCGCTGGCCC
AGTGCACGTGTCCAACAAACCTGGTCCGTGCTACTGCTACTGCTTTTGTTCTTCATCCCGGGTGTGGTTA
TTGCGGTGGCCTATGGACTCATCTCCCGCGAACTCTACCTAGGACTCCACTTTGATGGTGAAAATGACAG
CGAGACCCAAAGCCGGGCCCGAAACCAAGGGGGCCTGCCGGGTGGGGCAGCACCAGGGCCTGTCCACCAG
AACGGGGGCTGCCGGCCTGTAACCAGCGTAGCTGGGGAAGACAGTGATGGCTGCTGTGTGCAACTTCCGC
GTTCCCGACTGGAGATGACAACGCTAACCACACCCACTCCTGGGCCAGTCCCTGGCCCTCGGCCCAACCA
GGCCAAGCTGCTGGCTAAGAAGCGGGTGGTGCGAATGCTGCTAGTGATTGTTTTGCTTTTCTTCCTGTGT
TGGCTGCCAGTGTACAGCGTCAACACGTGGCGCGCCTTCGATGGCCCAGGCGCACAACGAGCACTCTCAG
GGGCCCCTATCTCTTTCATCCACTTGCTGAGCTACGTCTCTGCTTGTGTCAACCCCCTGGTCTACTGTTT
CATGCACCGCCGCTTCCGCCAGGCCTGCCTGGACACATGTGCCCGCTGTTGCCCACGCCCTCCACGAGCT
CGCCCACAGCCTCTTCCAGATGAGGATCCTCCTACCCCCTCCATCGCTTCGCTGTCCAGGCTAAGCTATA
CCACCATCAGCACACTGGGGCCTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013165

Insert Size: 1359 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_013165.2, NP_037297.1
RefSeq Size:	2152 bp
RefSeq ORF:	1359 bp
Locus ID:	25706
UniProt ID:	P30553
Cytogenetics:	1q32
Gene Summary:	Cholecystokinin was one of the first gastrointestinal peptides discovered in the mammalian brain. Cholecystokinin receptors are members of the G protein-coupled receptor superfamily, stimulating phosphatidylinositol turnover and intracellular calcium mobilization. This gene encodes a cholecystokinin receptor of the B subtype. These receptors occur throughout the central nervous system where they modulate anxiety, analgesia, arousal, and neuroleptic activity. [provided by RefSeq, Jul 2008]