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Product datasheet for RR206267

Cckbr (NM_013165) Rat Tagged ORF Clone

Product data:

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

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ORF Nucleotide Sequence:

>RR206267 representing NM_013165
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

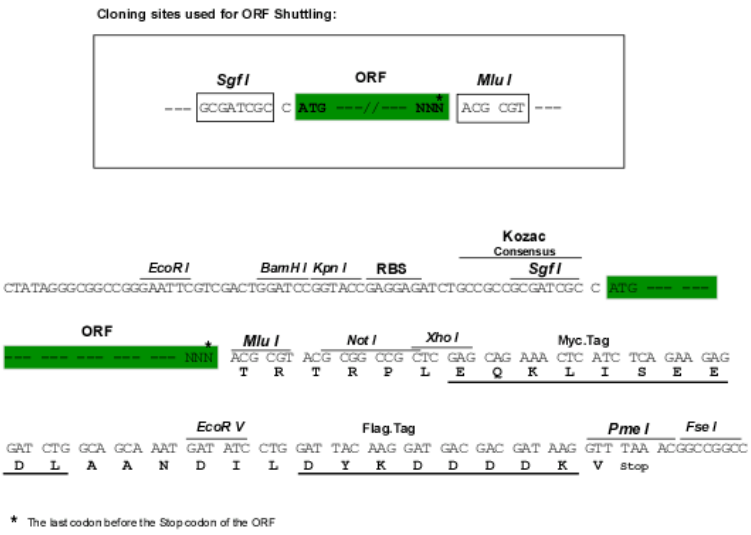
>RR206267 representing NM_013165
Red=Cloning site Green=Tags(s)

MELLKLNRSVQGPGPGSGSSLCRPGVSLLNSSSAGNLSCDPPRIRGTGTRELEMAIRITLYAVIFLMSVG
GNVLIIVVLGLSRRLRTVTNAFLLSLAVSDLLLAVACMPFTLLPNLMGTFIFGTVICKAISYLMGVSVSV
STLNLVAIALERYSAICRPLQARVWQTRSHAARVILATWLLSGLLMVPYPVYTMVQPVGPRVLQCMHRWP
SARVQQTWSVLLLLLLFFIPGVVIAVAYGLISRELYLGLHFDGENDSETQSRARNQGGLPGGAAPGPVHQ
NGGCRPVTSVAGEDSDGCCVQLPRSRLEMTTLTTPTPGPVPGPRPNQAKLLAKKRVVRMLLVIVLLFFLC
WLPVYSVNTWRAFDGPGAQRALSGAPISFIHLLSYVSACVNPLVYCFMHRRFRQACLDTCARCCPRPPRA
RPQPLPDEDPPTPSIASLSRLSYTTISTLGPG

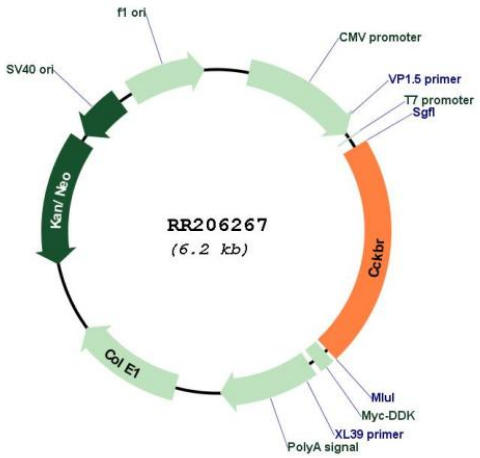
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_013165
ORF Size:	1356 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	49 kDa
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]