

## Product datasheet for **MC215922**

### **Cckbr (NM\_007627) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cckbr (NM_007627) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cckbr
Synonyms:	CCK-BR; CCK2; CCK2-R; CCK2R; CCKR-; CCKR-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC103530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCTGCTCAAGCTGAACCGCAGCTTGCAGGGACCAGGACCCGGGTCAGGGTCTTCTTTGTGCCGCC  
 CGGGTGTCTCCCTCCTCAACAGCAGTAGCGCCGGCAACCTCAGCTGCGAGACCCCTCGTATCCGCGGAAC  
 CGGGACCAGAGAATTGGAGTTGACCATTGAATCACCCCTTATGCGGTGATCTTTCTGATGAGTGTGGC  
 GGAAACGTGCTCATCATTGTGGTCTGGGACTGAGCCGACGCCTAAGAACGGTCACCAACGCCTTCTAC  
 TCTCCCTGGCAGTCAGCGACCTCTGCTGGCTGTCGCTTGCATGCCCTTCACTCTGCCAACCTCAT  
 GGGCACATTATCTCGGCACAGTCATCTGCAAGGCCGTTTCTACCTCATGGGGTATCAGTGAGTGTG  
 TCCACTTAAATCTCGCGCCATCGCCCTGGAGCGATACAGCGCCATCTGCCACCCTGCAAGCAGGAG  
 TGTGGCAGACACGCTCCACGCAGCTCGGGTATCTTAGCCACGTGGCTGCTGTCTGGATTGCTTATGGT  
 CCCCTACCCTGTGTACACCGTGGTGCAGCCAGTGGGGCTCGAATACTGCAGTGCATGCATCTTGCCCC  
 AGTGAACGTGTCCAACAATGTGGTCCGTGCTTCTGCTAATACTGCTGTTCTTATCCCGGGCGTGGTTA  
 TGGCAGTGGCCTATGGACTCATCTCCCGCAACTCTACCTAGGGCTCCGCTTTGATGGTGATAATGACAG  
 CGAGACCCAAAGCCGGTCCGAAACCAAGGGGTCTGCCGGTGGGGCAGCACCAGGGCCTGTCCAACAG  
 AACGGGGTGGCCGCATGTGACCAGCCTGACTGGGAAGACAGTGTGGCTGCTACGTGCAACTCCAC  
 GTTCCCGACTGGAGATGACAACGCTGACCACGCCCACTACTGGCCAGGCCCTGGCCCTCGGCCAACCA  
 GGCAAGCTGCTGGCTAAGAAGCGGGTGGTGCGAATGCTGCTGGTATTGTTTTGCTTTTTTTCGTGTGT  
 TGGCTGCCAGTGTACAGCGCCAACAGTGGCGTGCCTTCGATGGCCAGGCGCGCCGAGCCTCGCAG  
 GGGCCCTATCTCTTTCATCCACTTGTGAGTACACCTCTGCTTGTGCCAACCCCTGGTCTACTGTTT  
 CATGCACCGCCGCTTCCGCCAGGCTGCCTGGACACATGTGCCCGCTGTTGCCACGCCCTCCACGAGCT  
 CGCCACGGCCTCTCCGGATGAGGATCTCTACCCCTCCATCGCTTCTGTCCAGGCTAAGCTATA  
 CCACCATCAGCACGCTGGGGCTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2310\\_a02.zip](https://cdn.origene.com/chromatograms/ja2310_a02.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_007627

**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:** [BC103530](#), [AAI03531](#)

**RefSeq Size:** 2118 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 12426

**UniProt ID:** [P56481](#)

**Cytogenetics:** 7 55.86 cM

**Gene Summary:** This gene encodes a multipass transmembrane receptor protein expressed in the central nervous system and gastrointestinal tract. Cholecystokinin and gastrin bind to the encoded protein to stimulate gastric acid secretion and mucosal growth in the gastrointestinal tract, and anxiety, pain sensation and memory in the brain. Mice lacking the encoded protein exhibit an increase in the basal gastric pH and gastrin levels in the bloodstream as well as mild hypocalcemia, secondary hyperparathyroidism and increased bone resorption. [provided by RefSeq, Apr 2015]