

## Product datasheet for **MC201108**

### **Cckar (NM\_009827) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cckar (NM_009827) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cckar
Synonyms:	AW106902
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC020534 sequence for NM\_009827  
GCTGAACTCAAGTTGCCCTTTAGGAATGGCTGCAGAGCCCACACCTGGATCTCTCCCTCCCTGCTCCTCC  
ACGGCAGGTTGCATTTGGGAGACTCTATGATCATTAGAGGAAAGAGACAGGAGTGAGCCATTACCAGCT  
CGCCAGCACTTGGTAGGAAGCGGCGAGGATGGATGTGGTCGACAGCCTTCTTATGAATGGGAGCAACATCA  
CTCCCCCTGTGAACTCGGGCTGGAAAAAGAGACGCTTTCTGCCTGGATCAACCTCAGCCTTCAAAGA  
ATGGCAGTCTGCAGTGCAGATTCTCTGTACTCCTTTCATATTCCTTCTCAGTGTGCTGGGAACACGCTG  
GTTATCAGGGTCTGATTGCAAAACAAGAGGATGCGGACTGTACCAACATCTTCCCTGCTCCCTGGCTG  
TCAGTGACCTCATGCTTTGCCTCTTCTGCATGCGTTCAACCTCATCCCCAACCTGCTCAAGGATTTCAT  
CTTCGGAAGTGCCGTGTGCAAGACTACCACCTACTTCATGGGCACTTCCGTGAGTGTTCACCTTCAAC  
CTGGTAGCCATCTCTCTGGAGAGATACGGTGCCATCTGCAGACCCCTACAATCCCCTGCTGGCAAAACA  
AGTCCCATGCTTTGAAGGTCATCGCTGCCACCTGGTGCCTCTCCTTTACCATCATGACTCCGTACCCCAT  
TTACAGCAACTTGGTGCCTTTTACTAAAAACAATAACCAGACGGCGAACATGTGCCGCTTCTGTTGCCA  
AGTGACGCTATGCAGCAGTCTGGCAAACATTCTGCTACTCATCTTCTCCTTATCCCTGGGGTGTGA  
TGGTGGTGGCTTATGGACTCATCTCTCTGAACTCTACCAAGGAATCAAATTTGATGCCAGCCAGAAGAA  
ATCTGCTAAAGAGAAGAGGCTAAGCAGCGCGGCGGGTGGCGCGGTAGCAGCAGCAGCCGATACGAG  
GATAGCGATGGCTGTTACTTGCAGAAATCCAGGCCCTCAAAGGAAGCTAGAGCTGCAGCAGCTGTCAACCA  
GCAGCAGTGGTGGCAGAATCAACCAGGATCAGGAGCAGTGGTTCTGCTGCCAACCTGATCGCCAAGAGCG  
CGTGATCCGATGCTCATTGTGATTGTGGTCTCTTCTTCTGTGCTGGATGCCCATCTTCAGTGCCAAAT  
GCCTGGCGGGCATATGACACGGTTTCTGCCGAGAAACACCTCTCAGGGACCCCATCTCCTTTCATCTCC  
TCCTCTCTACACCTCTCTGTGTCAACCCATTATCTACTGCTTATGAACAAACGCTTTCGCTGGG  
CTTTCATGGCCACCTCCCTGTTGCCGAATCCTGGTCCCACCGGGTGTAGAGGAGAAGTGGGAGAGGAG  
GAAGTGAAGGACCATAAAGGCATCCCTGTCCCGTATTCTACAGCCATGAGCAGCTTCCCCAC  
CCCCCTGAGCTGTACCTGGTTCGCTGCGGGCAGCAGAAAGGAGGGGACTGGGAGCAAGGAGGAAGGAA  
GTGGGAGGGAAGGAGAAGGAAGACCCATTTCTCACGAGGACTTCCGATGTCTGTCTTTTACCCTTCAC  
AAAGTTCCAGAAGGAACCTTAAAGCGGGTGCATGAAAACGTAAGACATTTTCCATAATGTTTACCATGGG  
AGAAACCTCAGCAGGCCAGCGATAGGGACCCACTGGGCTCGTGCTACAATGTCACTGCCAAGTCCACG  
TTCAAAATGGGGGTGTAGACCTTGATGAGCGTTAGAATTTTTTGGAACGCCCCAGATGACGCTCTCCAT  
ACTAACACTGCTCTGCTCTGTTTTCTCTGCTCCTGAAGAATTCTGGTCTCCCCATGCCTACTTCTC  
ACACATACTACAGCTACACACCTTCTCATGGCCACCAATGACATGTGACCAGCAGCAGCACACACCTCC  
TCTGCCCTCTTGAATAAGGGAGAAGTCTGACAAATTTTAAAAGCTTGAGGTTGTACAAGTATACTCAG  
GGGTGAAAGGTTGAGGTTGTATCAGAAATACATGAAGAATGTGTCTAAAAGACAGGTGTAGGATTTTT  
ATTTCTACAAAGGACAGGTATGCGAGGCCAGTAGCTAGAACTGTTTTCTGTGACCAATGTCAAGCTGCA  
GAAGGATGATCTCTACAGTATAATCTCTCTGAAGTAATCCCACAACCTTTTTTTTTCTTTAACCT  
CAACTCACTTTCTCTGTTCACCTATATTTCTCCTTCCAGAAATGCCTCCGGGTAAGAAGGGAGAGGT  
CCTTACCTGGGCAAGGTTGGTAACATATGTAATCAGTCCCAGGAAAACCTAGCATGTGGGACTCACTTA  
ATAAGTAGCTTTGAATGCCAAAACATATGATGCTTTTAAATACCATCGATGTAGCTTTGATAGTTGGCT  
CGTTGTGTGTGAGT  
TACATTATCTGTGTGTTAACAACTTGCAAAATGGATATTGGAATCAACAAGTGTATCATTCTCCATAA  
AAGTTGGAGTATTGTGTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_009827

**Insert Size:** 1311 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:** [BC020534](#), [AAH20534](#)

**RefSeq Size:** 2624 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 12425

**UniProt ID:** [O08786](#)

**Cytogenetics:** 5 29.52 cM

**Gene Summary:** Receptor for cholecystokinin. Mediates pancreatic growth and enzyme secretion, smooth muscle contraction of the gall bladder and stomach. Has a 1000-fold higher affinity for CCK rather than for gastrin. It modulates feeding and dopamine-induced behavior in the central and peripheral nervous system. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system (By similarity). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).