

## Product datasheet for **MC222092**

### **Cc2d1b (NM\_177045) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cc2d1b (NM_177045) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cc2d1b
Synonyms:	A830039B04Rik; Freud2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222092 representing NM\_177045  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAGGGCCAAGACCTCGGAAGGGCCCTAAGACCAGTGGCCAGGGTGTCTGAGACTGCCAAGCAGCTGG  
 GGCTTTTTGTGGAGTTCAACCCTGAGGACATGCTCCTGGGGTGGATGAGACTGAAGATGATGGAGACCT  
 GGAGGCTGAGTTACTGGCACTCACAGGGAAACAGCGAGCAGGAGCAGGAAGCCAGCACCCAAGGGCGAG  
 GCTCCACTGCCCATGGCCACATTGAGAAGCTGGCAGCAGACTGTATGCGAGATGTGGAGGAGGATGAAG  
 AAGAGGAAGGGCTGGAGGACGATGCAGACCTTCTGACAGAGCTGCAGGAGGTCTGGGTGAGGATGAAGA  
 AGCGGGTCTGCTGGACGGCAGTGGCCAGCAAGTCCAGACCTCTGTGAGGAGAAGACTTTGGGACAACACT  
 GAACTACCTGTAGAGCAGGCAGCCTGCCAACAGGCAGTACCTGCTGCAGCTCAGGCTGGAGGGCCTCGGG  
 GGCTGCAGGCTTTGCTGGAGAACGGATCCGTAACCTACCGGGAGGCCCGCAGCCAGTGCCAAGGAGGCTGG  
 TGAAGCTGCCAAAGCCCAGGCTGTGAGCGAGGCCCTAAAGACTCTGCAGTCCCAGCTTGCCACTGTGAGG  
 AAAGGCGGGAAGATCTGTGAGGATGAGATCCCACCTCCAGTAGCCTTGGGCAAAAGGCCCCAGCCCCC  
 AGGAAAGAGCCATCAAGAACCCTGAGATAGACTCTCCAGGTCCCTGTGCCATGGAGCCAGGCAACCTTTC  
 CCAGCCCAGTCCAGCCTCCCTGCCATTGCTCCCTTGCCTGATTAGACCCAGACCCACAAGCCCTGCTG  
 TTAGCCCAGACAGAGAGATACAAGGCGGCTGCTCTCGATGCCAAGCGGGCTGGAGATCTAGACCTGCTC  
 GGGAGCTCATGAGGATCGGGAAGAGATTTGGTACTGTCTAGAGGCCCTGGAAAAGGGTCAAGCCTGTGGA  
 CCTGAGTGGCATGCCCCAGCACCTGCGGATCTGAAGGCCCTCCCCAGGCTTCTAAGGCCTCTCAGCA  
 ACCCAAGGCCTGTCCCCAGCAGTAGAGCAATGCAGCCAGTATGGCCTCTGACCTCCAGCCACCCAG  
 TGGCCCCGCGGAGCCAACAACAGTGTGGATGCTTTACAGCAAAGGCTGAACAAGTATCGTGAGGCAAG  
 CATCCAGGCCCGGCCAATGGGGATGAGCGCAAGGCCAGGATGCACGATCGCATTGCCAAGCAATACAG  
 GATGCTGTTGAGCTCATCAGGCAGGACAGAAAGTTGACTTTGCCGAGTTACCTGTTCTCCAGGATTTTC  
 CTCCCATCCCTGGCTGGAGCCCAGGAAAGGTAGTGAGCAGGATTCAGTGGCAGCAACTTTAGCAACTGC  
 CCAAAAAGTGGCCTCAGAAGATGCAGCCCTGGTAGATGACGACGAGGAGAGTGACTCCAGCACAGGCC  
 CCATTGGCCAAGAAGCCAGCGCAGACTCTGGTCTCTCCATCCCCTCTGACTGAGCCCAAGGCTTCAA  
 GTTCTAAGGAGTCACTGAGTCCATCTGTTGGGAGCAGGTGACTGCTGGAGGCTCGGAAACTGCAATA  
 CCAGCGAGCAGCTCTGCAAGCCAAGCGCAGGCAGGATCTTGAGCAGGCCAAATCCCATTACGAGTAGT  
 AAAAGTCTTGAGGCTCAGATCATCCAGGCCGAGCTGGTCAACCCATTGATCTCTCCAAGGTGCCTTCAC  
 CGTTGACAGATGAAGAGGGGACTTCATCCTCATTACCATGAGGATCTGCGACTCTCCAGAAGGCTGA  
 GGAGGTGTATGCCAGCTACAGAAAATGCTCCAGGAGCAGCAAGCGAAAGTGCCTGCTATTCTCCAAGCAG  
 TACATGCACCAGGGAAATGTGGCTGAGACCACTCGGTTTGGAGGCTTGGGAGGACCGAAAAGAACAGC  
 TTGAGATCCTGCAGCTAGCCCAAGCCCAGGGCCTTACCCCTAGTCACTACTTTGAGCTGAAGACATT  
 CCAGACTGTGAGGATCTTCTCAGAACTCAACAGCACAGAAATGCATCTGATCATCGTGCCGGGAATGAAC  
 CTCCAGCCCCGCCAGGAGTGACTCCGGATGACTTGGATGCTTTTGTACGGTTTGAGTTTCACTACCCTA  
 ACTCGGACCAGGCTCAAAAAGCAAAACAGCTGTGGTAAAAATACCAATTCTCCAGAATTTGAACAAGT  
 TTTCAAGCTAAACATCAATCGAAACCACCGAGGCTTTAGGAGAGTGATCCAGAGCAAAGGAATCAAATTT  
 GAGATCTCCACAAAGGATCCTTTTTTAGAAGTGACAAGCTGGTTGGCACAGCACACTTGAAATTTGGAAA  
 GGCTGGAGAAGGAGTGTGAGATCAGAGAGATCATGGAGGTTTTGGATGGCAGAAAGCCACTGGGGGAA  
 GCTGGAGGTGAAGGTGAGGCTTCGGGAGCCTCTGAGCAGCCAGGACGTGCAGACGGTCACTGAGAACTGG  
 CTGGTCTGGAGCCTCGGGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177045  
**Insert Size:** 2547 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177045.3</a> , <a href="#">NP_796019.1</a>
<b>RefSeq Size:</b>	3286 bp
<b>RefSeq ORF:</b>	2547 bp
<b>Locus ID:</b>	319965
<b>UniProt ID:</b>	<a href="#">Q8BRN9</a>
<b>Cytogenetics:</b>	4 C7
<b>Gene Summary:</b>	Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene transcription in neuronal cells.[UniProtKB/Swiss-Prot Function]