

## Product datasheet for **RN217261**

### **Cc2d1b (NM\_001270984) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cc2d1b (NM_001270984) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cc2d1b
Synonyms:	RGD1306630
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217261 representing NM\_001270984  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAGGGCCAAGACCTCGGAAGGGCCCTAAGACCAGTGGCCAGGGTGCCGAAACTGCCAAGCAGCTGG  
 GGCTTTTTGTGGAGTTCAACCCCTGAGGACATGCTCCTGGGGATGGATGAGACAGAAGATGATGGAGACCT  
 GGAGGCTGAGTTATTGGCACTCACTGGGAAAACAGGGAGCACAAGCAGGAAGCCAGCACCCAAGGGGCGG  
 GCCCACTGCCCATGGCCACATTGAGAAGTTGGCAGCAGACTGTATGCGAGATGTGGAGGAGGAGGGCG  
 AGGAAGAGGAAGGGCTGGAGGACGATGCAGACCTTCTGACAGAGCTGCAGGAAGTCTGGGTGTGGATGA  
 AGAAACTGGGCTGGTGGATGACAGTGGGAAAACAAGCCAGACCTGTCTGAGGAGAAGACAAGGGACAAC  
 ACTGAACAACCTGTAGCACCAGCAGCCTTCCAGCAGGCCCTACCTGCAGCAGTGGCTCAGGCTGGAGGGC  
 CTCGGGGCTGCAGGCTTTGCTGGAGGAACGGATCCAGAAGTACCGGGAGGCTGCGGCCAGTGCCAAGGA  
 GGCTGGTGAAGCTGCCAAAGCCCGCGCTGTGAGCGAGGCTGAAGACTCTGGAGTCCCAGCTTGCCACT  
 GTGAGGAAAGGGCGCAAGATCTGTGAGGACGAGATTCACCTCCAGTGGCCTTGGGCAAAAGGCCCCAG  
 CCCACCAGGAAAGACCCAGCAAGGACTCTGAGATAGACTCTGCAGGCTCCTGTGCCATGGACCCAGGTGA  
 CCTTTCCAACTGAGTCCAGCCTCCCTGCCGTTGCTGCCTTGCCTGATTAGACCCAGACCCACAGGCC  
 CTGCTGTTAGCCCGACAAAGAGAGTACAAAGCAGCTGCTCTCAGTGCCAAGCGGGCCGGAGATCTAGACC  
 GTGCTCGGGAGCTCATGAGGATTGGGAAGAGATTTGGTACTGTCTAGAGGCCCTGGAGAAGGGGACGCC  
 TGTGGATCTGAGTGGCATGCCCCAGCACCTGAGGATCTGAAGGCCCTCCCCAGGCTTCTGAGGCTCT  
 GCAGCAACCCAAGTCTGTCCCCAGCAGTGGAGCAAATGCAGCCAGTGTCTCTGACCTCCCAGCCA  
 CCCAGCGGCCCTGCAGAGCCAAGACAGTGTGGATGCTTTACAACAAGGCTGAACAGTGAACCTGTCTG  
 GCGAGGCATCCAGGCCAGGGCCAGTGGGATGAGCGCAAAGCCAGGATGCATGACCGAATTGCCAAGCAA  
 TATCAGGATGCTATTCGAGCTCATCAAGCAGGACGGAAAGTTGACTTTGCTGAGTTACCTGTTCCCTCCAG  
 GATTTCTCCCATCCCTGGCCTGGAGCCAGAAAAGATACTGAGGAGGATTGAGTGCAGCAACTTTGGC  
 AGCTGCCCAAAAAGTGGCCTCAGAAGATACAGCCCTGGTAGATGAAGATGAGGAGAGGGACACCCAGCA  
 CAGGCCCATTTGGCCAAGAAGCCAGCACAGCCTCTGGTCCCTCATCCCATTCTGAAAGAGCCCAAGG  
 CCTCAAGTTCTAAGGAGTCACTGAGTCCATCTGTTGGGAGCAGGTGACACTGCTGGAGGCTCGGAACT  
 GCAGTACCAGCGAGCAGCTCTGCAAGCCAAGCGCAGGCAGGATCTGGAGCAGGCCAAATCCCCTTACGA  
 GTAGCTAAAAGTCTTGAGGCTCAGATCATCCAGGCCAGAGCTGGTCAACCGATTGACCTCTAAGGTGC  
 CTTACCCCTTGACAGATGAAGAAGGTGACTTCATCCTCATTACCATGAGGATCTTCGACTCTCCAGAA  
 GGCTGAGGAGGTGTATGCCAGCTACAGAAAATACTCCTGGAGCAGCACGAGAAGTGCCTGCTGTTCTCC  
 AAGCAGTTCATGCACCAGGGTAATGTGGCTGAGACTACACGGTTTGAAGAAGTGTGCTGAGGACCGAAAGA  
 AACAGCTTGAGATCCTGCAGCTGGCCCAAGCCAGGGCCTGGACCCTCCCAGTCACTTTGAATTGAA  
 GACATTGCAGACTGTGAGGATCTTCTCAGAAGTCAATAGCACAGAAAATGCATCTGATCATCGTCCGGGA  
 ATGAACCTCCCAGCCCCACCAGGAGTACTCCGGATGATTTGGATGCTTTTCGTACGGTTTGAGTTTCACT  
 ACCCTAACTCGGACCAGGCTCAAAAAGCAAAACAGCTGTGGTAAAAAATACGAAGTCTCCAGAATTTGA  
 ACAAGTTTTCAAATAAACATCAATCGAAATCACCGAGGCTTTAGGAGGGTGATCCAGAGCAAAGGAATC  
 AAATTTGAGATCTTCCACAAGGATCCTTTTTTGAAGCGACAAGCTGGTTGGCACAGCACCTGAAAC  
 TGGAAAGGCTGGAGAAAGAGTGTGAGATCAGAGAGATCATGGAGTTCTGGATGGAAGAAAGCCACTGG  
 GGGGAAGCTGGAAGTTAAGGTGAGGCTGCGGGAGCCTTTGAGCAGCCAGGACGTGCAGATGGTCACTGAG  
 AACTGGCTGGTCTGGAGCCTAGGGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270984  
**Insert Size:** 2553 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001270984.1, NP_001257913.1</u>
<b>RefSeq Size:</b>	3353 bp
<b>RefSeq ORF:</b>	2553 bp
<b>Locus ID:</b>	313478
<b>UniProt ID:</b>	<u>Q5FVK6</u>
<b>Cytogenetics:</b>	5q34
<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]