

## Product datasheet for **MC222208**

### **Ccdc87 (NM\_207268) Mouse Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Ccdc87 (NM_207268) Mouse Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Ccdc87                                  |
| Synonyms:                 | 4931419P11Rik                           |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**Fully Sequenced ORF:** >MC222208 representing NM\_207268  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACACACAGTCAGGAACCTGACCTCAAGCCGATTACCACCGTTGCTGAGTCCGCTGTCGCTCT  
 TCCCCAGCAAGGCGAAGCCTCCTCCAGAGCCTCCGAAGCGCCCTCTCAAGATGCCACGCCCTTGCAATC  
 CATCCCGCTGGCGAAGCTGAAAGTTGGGCCGCTGTGCCGCAAGTGCCAAGCGGCTAGCAAGCAGCGGG  
 CGGGCGGCACGAGTAAGTCCAAGGACCGACTTCGTCTCACTGAGGTTATTCTAGAAGAGCTGAAGTGCA  
 ACTGGCGGGAACCTCCTATAGAACCCATTCTGGACTACGAAAACAACCAGAAGCTGCGGCAGCGGCTCGA  
 GTCCTACGTGCTGATCAGTAGTGAGCAGCTCTTCGTACGCTACCTGCACCTGCTGGTGACCTGCCGACC  
 TCTAGAAGGGTCTTCACTGAATCAGCCACCCTCAGCCGGTTGGCAGTAAACCTTGCCAGGGATTGCACAG  
 TTTTCTCACCAGTCCTGATGTCTATCGCTGTCTGCTGGCTGATTTTCAGACCCTGCTAAATTTAAAGCA  
 CGCCCAGGGAGGCATAGTCAAATTCGCTCCTCCTCCTGTCCCCCTGGGACTTTCAAGCTCTGTCCAATC  
 CCTTGGCCTCACAGCACTGGCTTAGACCACATGCCGTGCTCTAGCCTCAACCTGAACTACCTTGTCCAAC  
 TCAGCCGCCCATATGATTTCCCCAGTGAGCCCGAACCTGATCCAGTGGAAGAGTTGAAATCCATCCCCCA  
 GCTGAAGAGTAGACAGCAGCTCCTCTGGGTGCCCTCCATGATAAAGGATAAAGAAATTGAATCGAGACCC  
 TCACCGATGGTACCAGTGCCTAGTCATTCTCCAGCAGTGAGAGTCACCAATCCCCACCTCACCAGTCC  
 ATTCTGGCTCCAAAGGGGCCAGTCCATGCCTTGCTTCATGAGGGGTGGAGTCTGGCAGATGAGTTGTG  
 CTTTCTTCTCCTCCTCCTCATCCCCCTACCCCGCTGATCTTGGCTTCAGAGAGTAAACCACTGCCATTC  
 CGGGACATAGTGGCTGAGGATCTGAAGCAGAAAATGAAGATCATGAGAATGGAGTGGAGTCGATACTCCC  
 TGCTGGACTCTGGCCTGCCTCCCTCCTCGGGTCTTACCCGGCGCCTAACTGCCCAGCACCACCTAGA  
 GAAACTGCAGCAAATGATCAAAAGCCTGCAGGAGGAAGAAGCCTCCGGAAGTGGGATCTCCAACCCCG  
 AGAATCATCCCACTACACCCACAGCCAGTCACTGTTGCTTTGAAGGTACATGATCAAGTTATAGTCCAGG  
 TAGCTACTGTGCAACTCTCTGAAAGATACTTTAACGACTCTTTCACGTTGAGGGGGCTGGAGTCTATA  
 CAACCATCTGACTGGGGAAGTGGATGGTAAAGCCATTGAAGAAATGGATGCGGATCGTCTTGTGGGAAC  
 ACCACCGGAGAGGTCTACAAGGAGTTGATGAGCCGAGTCTCTGTTAGTCACTTATCTTTTGGGAAGGAG  
 ACCAAATTGAGCCTTCAGCAGATAAAGATTGGTCTCCTACTTGGCCTCATCTTTTACACCAAGATAA  
 ACATATGCCAATCATCAACCGTAATCTGGTTGGATTTTACTCCAGAAGAACAAGCACTCCGAAGCCAGTC  
 CCTGAGAAGTGCCCTCTCTACATTACTCCCAAGGCACAAAAGCTGGGACAAGCGACCAACAGACACG  
 GTGATGATGAATTGGCTGAAACCCCTCGGTGTCTTCAGAGGACTACTTCAAGTACCTCTCCTTTAGGA  
 GTCGGATTTCTCCACGTCTCTTCAAATGTATGAAAAAGAGGCTCCTGTGGAGGTACCACTCCCTGTC  
 CAAGAGTACCTAGATATTCAGCAACCCCTCCCTGCTGCAAGATGAAGAGCTAGAGTTCATGCAAGGAA  
 AATGGGATTGGAGCTCAGTGATAGAGGATGGCTCAGGACCTGGGAGAGCCTACATTCATAACTTGCAGCA  
 GCGTCTCAAACGACTGTGGGTCTGTTGGAAGTCCCTGAACAGAATCGGCTAGACATGGTTATTAATAC  
 AGCTCCAATGCACGCCTGCAACAGCTACCAGCATTGATCAAGGCTTGGGAGCAGGTCTGAAGCCCATTC  
 AAAAGAGGGAGTCGTTGCTAGGAAGACTGGAGTGGTTTGAGCAACAAGCCTCTGATCCCAATCGTTTCTT  
 CCAAAGCCTGATTTGTTGATGAATCGGTTACTGGAGGAGAATCGGTTCCGTAGCTATCTCAAAGGAAG  
 CTCAATCGAATGGAATCTAATTTGGTTTTCTTGTGGAAAGGATAGAGTCACTTTTGGGAGCCAGTGA  
 CTTTCAAGGGGCGGAGCTATCTGAAGAAGATGAAGCAGGACAAAGTGGAGATGCTGTACTGGCTCCAGCA  
 GCAGCGGCGGATTCGCAATCTGACCCAGGCCAGAAAACCTTCCGCCAATCATGCACTTTACAGGGAGC  
 AGCAGCCAGGCGTTAGTGGCCCCCGGAATACTCCCACTACTCACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_207268  
**Insert Size:** 2568 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_207268.3, NP_997151.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 3163 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2568 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 399599                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q8CDL9</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 19 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Plays a role in spermatogenesis, where it is important for normal sperm head morphology. Also required for the acrosome reaction and thus normal male fertility.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                         |