

## Product datasheet for **MC220481**

### **Ccdc8 (NM\_001101535) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc8 (NM_001101535) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc8
Synonyms:	ENSMUSG00000041117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220481 representing NM\_001101535  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCAGATTGGGAGGATGTTGACTATCTGCTCATCCCCGGGAGGTCCGCCTGGTGGGGCGTGT  
 GGAGAGTCATCTCCAAGCCTGCAACGAAGGAAGCTGAGTTTCGGGAGCGGCTAATCCAGTTTTTGCAGGA  
 GGAGGGCCGACCCCTGGAAGATGTGGCCGTATCATCGAAAAGAGCACTCCACACCCACCCCAACCCCGC  
 AAAAGAACCAAGGAGCTGAGAGTGAGGAGAGTCCCGCAGATGGTCACTCCTCCACTTCGGCTGGTTGTAG  
 GTACCTATGACAGCAGCAATGGCAGCGACAGTGTGAGTACTTCGATACCTCCAAAGTCAAAGGCAA  
 CAGGAGCTCCTCCGGGAGGACCAGGAAGGTGCGCAAAATGCCGGTCAGTACTTGGGCAGCAAATTCCTG  
 GGCAGCGATGTGGAGAGTGAGGATGATCAGGAGCTGGTGGAGGCCTTCTCCGCCGTGGGAGAAGCCCA  
 GCGCGCCTCCTCCACGACGCCGAGTCAATCTCCAGTGCCATGTTTGAACAACCTGGGCCCCAGCC  
 ATCCAAGGCCGACAGATGGAGGGAGTATGTTAGCCAGGTGTCCTGGGGGAAGCTGAAACAGAGGGTGAAG  
 GGCTGGGCACCCAGATCAGGCTCCGAGGTGGGCCAGACCCAGCAGGCCTCCACAGCAGCTGAGAGGGCTG  
 GAGAAATGAGACACAGCCAAGCCAGCTCGGACGATGATAGCTCCAGAAACACAGGAGACCCGAGTGACCA  
 GATGCTGGTACTAGACGCTGGAAGCCCAAGATCAAGTGGGTTTCCCTGAGACGATGCAGGAAGGAGCAG  
 GTGCCACCCTTCGCTCAGGGAACAGGCATGCCAGCTGAGGAGCACCCAGAGGCTGCAGAGAACCAGGGGG  
 CAGAGGCTGCAGTAACCCAGAGGGCAGAGCCTCTAGCTAGTCCAAGGGCAGAGGCTGCAGCTAGTCCAAG  
 GGCAGAGACTGCAGCTGATCCAAGAGTAGAGGCTGTTGCTAGTCCAAGAGCAGAGGCTGCAGCTAGTCCA  
 AAGGCAGAGGCTGATGCTGATCCAAGAGCAGAGGCTGCAGCTAGTCCAAGGGCAGAGGCTGCAGCTAGTCA  
 AAGGACTGAGGCTGCAGCTAGTCTCAGGGCAGAGGCTGTTGCTAGTCCCAGGGCAGAGGCTGCAGCTAG  
 TCCAAGGGCAGAGGCTGCAGCTGATCCAAGAGCAGAGGCTGCAGCTAGTCCAATAGCAGAGGCTGCTGCT  
 AACCAAGAGCAGAGCTTGTAGATAGTCCAAGGGCAGAGACTGCAGCTGATCCAAGAGCAGAGGCTGCAG  
 CTAGTCCAAGGGCAGAGGCTGTAGCTGATCCAAGAGTAGAGGCTGCAGCTAGTCCAATAGCAGAGGCTGC  
 TGCTAACCAAGAGCAGAGCTTGTAGATAGTCCAAGGGCAGAGACTGCAGCTGATCCAAGAGCAGAGGCT  
 GCAGCTAGTCCAAGGGCAGAGGCTGCAGCTGATCCAAGAGCAGAGGTTGCAGCTAGTCCAAGGGCAGAGG  
 CTGCAGCTAGTCCAAGGGCAGAGGCTGAAGCTAGTCCAAGGGCAGAGGCTGCAGCTAGTCCAAGGGCAGA  
 GGCTGAAGCTAATCTGAGGGTAGAGGCTGCAGCTTATCTCAGGGCAGGAGTCCCACCTGACCAGAGGGCA  
 GAAGCCATAGATAGTCAAGGGCAGAGGGCCAGCTAACCAAGAAGTGGTGTACAGAAAATCAGAGGG  
 TGAGGTCCTAGCTGACCAAGGGCAGGGTCCCTCATGACCAGAGGGAGGAGGCAGGACCTCAGGGTAT  
 ACAGGAAGCCTCAGCTGGTTCGGGATCTAGGGCCAGAAAACAGGTAAGAGCAGTGAGGTTCCAGACCCCA  
 GGACGCTTCTCATGGTTTCGCATGCGCAGGAGAGTCTTCTGGCACACTCCAGGTTGCCAACCTGCCCA  
 GGAGAGTCCCCAGGGCAGGTGAGGCCAGGAGCCTCCGGTACTAAGGGCTGACATCAGAGCAGATGTGGA  
 ACACAGAGAGCAAGAAGAACAGCT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001101535
- Insert Size:** 2058 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:** [NM\\_001101535.1](#), [NP\\_001095005.1](#)

**RefSeq Size:** 2058 bp

**RefSeq ORF:** 2058 bp

**Locus ID:** 434130

**UniProt ID:** [D3YZV8](#)

**Cytogenetics:** 7 A2

**Gene Summary:** Core component of the 3M complex, a complex required to regulate microtubule dynamics and genome integrity. It is unclear how the 3M complex regulates microtubules, it could act by controlling the level of a microtubule stabilizer. Required for localization of CUL7 to the centrosome.[UniProtKB/Swiss-Prot Function]