

## Product datasheet for **MC222735**

### **Ccdc39 (NM\_026222) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc39 (NM_026222) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc39
Synonyms:	4921507O14Rik; AI447426; AI844750; b2b1304Clo; b2b1735Clo; b2b2025.1Clo; D3Ertd789e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC222735 representing NM\_026222  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGCAGTGAGTCTTGTGCAGAGCTGCACTGGGAAGATGGGTTCCGCATCCCCGTGGCCAATCAGGAGA  
 ACAAGATCCTGGAGGATCAGTTGGCAAAGCTCCGAGAGGAAAAATCAAACCTTGAAGATCAGCTTATGA  
 CTATGAAGAACGAATTAATTCTATGACTTCTCACCTTAAAAATGTGAATCAGGAATTTTTATTACACAG  
 TCTCTTTACAAGCAAGGGAGAGTGAGATCGAGAGCGAAGAACATTTTAAGGCCATTGCTGAAAGAGAGC  
 TGGGCCGAGTCAAGAATGAGACCAACTGCTGGAGAAGGAGATGGCGATCATCCGGGAGCGCAAGAGCCA  
 AATGGAACAATATATTTAAACTACTCAAAGCTGGATGACTTGAATGTCAGATGAAGTGGGACCAG  
 CAAGCCTTGGAGGCTGGCTGGAAGAATCGGCTCACAAGACAGTACTCTGACCCTCAGAAGTACT  
 CTCAGCAAGACGATAACAAAATCAGGGCCCTGACTCTGCAGTTAGAAAAGCTGACCATGGAGTAAACGA  
 GAAGAGGAAGCTTCTAGACAGTGAAGTACAGAGACGCTAAGTGGCAGTTAGAATTAGATAAAGCTGCA  
 CAGGATTTCCGGAAGATTCACCTTGAACGGCAGGAGCTCATTACAGAGTGGGAGAACACCATTGAGCAGA  
 TGCAGAGGCGGGATCAGGAGATAGACAACCTGTGCCCTGGCATTATCACGAATAAAGCAGGAAGCAAGAGA  
 AAAAGAAGGCGTGGTGAAGAGAAGATCAAGTTTCTGGAAAAATGAGGTTGAGAACAACATAGAATACGAG  
 AGAAAAATTTCTGTTGCTGAGCGGAAAGTGTCCAAGTGCAGGATGGACTACCAGCGTCACGAAGGCAACA  
 GAAGTCAGCTGAAGGATGAGCTGGATACTTTAAAAACCACTCTCAACAGAACATCCAGTACTTACAAGC  
 TCTGAGGAAAAACATTTCCAAAGTAAAGAAGGACATCTTTGACGAAACATTAAGATTACAAAACTTAAA  
 CATCACAAATGAGGTTGTAACATAAAATTAAGATGATAACTGAGAAGACCCTATCTATTGAAGAGAAG  
 CTACCAACATGGAAGACATGCTGAAGGAGGAGGAAAGCCCTGAAGGAAGTGGAGTTCAATTTGGGCAT  
 AGTAAAAGACGTGTTATTTAAGAAAGTCCAAGAGTTACAGAACGAGATAGCGAAAGAGAAAAGCCCTGGTA  
 TCAGAAATTTGAAGGAACCGTTCCTCCCTGAAACATCTTAACAAACAGTTACACAAACTGGATTTTGAAA  
 CCCTGAAGCAGCAGGAAATATGTACAGTCAAGATTTTTACATTCAGCAAGTAGAACGCAGAAATGTCACG  
 ATTAAGGAGGAAATTAATTCAGAGGAAAAGCAAGCCCTTGAAGCAAAAAATCCTTGAAGTAAAGAAGACA  
 ATGGATGAGAAAAATCCACACTTTCCCTTTTGGAAATCCAGATCAAGAAGCTCCATAATGACCTTACT  
 TCATTAAGAAATCAAATGGTAAAAACAATGATGAGAAAGAGTCTCTCATGAATAAAATAAGTGAAGTAA  
 CCTTTTTATTGACAGATCTGAGAAGGAAGTGAAGCAAGCCAAAGCTGTGAAAGAGGATATGATGATCGAG  
 GACAATCTTTAAAGCTCAAGTTAAACGTGCTCGAGAATTGCTTTACAGCAAGCGAGGAAAGTCCCTTT  
 CTCTAGAGAAAAGGAAACAGCAGCTGGGCAAGACATGGAAGAGAGAGCTGAAGAAATTAAGTGCACAA  
 AGCCATGCTTACCTCACAGATCAGATGTGTTGAACAGCAGCGAAAAACTATGAGTTCGAATTTTATGAG  
 CGGCTAAGTAAATTTGATAAGCTTAAGAATAGATATGAAATTTCTACTGTTGTCATGCTGCCTCCTGAAG  
 GAGAAGAGGAGAAAACACAGTCTTATTATGTAATAAAGGCTGCTCAAGAAAAAGAAGAACTTCAAAGGGA  
 AGGTGATAGCTTGGATGCTAAGTCAACAAAGCTGAAAAAGAAATCTATGCTTTGCAAAACACCTTGCAA  
 GTACTTAACAGCTGCAACAGCAATTATAAGCAATCTTTCAAAAAAGTACTCCGTCAGTGAAGTATG  
 CATTAAAAATCAACTAGAAGAACAAAAAGAACTGCAGATGAGAGATACAGATGCAAAACAAAGGCAGAT  
 CAGAGAAGTCAAGAAGATATCCAGAGCATGAAAAATCTTTTGAAGTTATAGGACACTTAGCAAAATAAT  
 GCCAAAGAGAAAATTAACAGAGAAAACAAACACTTGCAATTTCAACTTCGTAAGGAGACTGAGGAGCAGAAGC  
 CGAAATTCAGCGAATAACTAAGCAGTGTGGAAGACTCAGAAGAGAAATCCGCATTTTGAACAACACAGA  
 TAATGAACTCTAGAAGAACAGGACATTGAGTCCGTCAGATCATACAGTTTCAAGGACATTGACCAA  
 ATGTTAGTTAATGCCATGGAAAAATGCAGAAATTCATGCCATCTTTAAACATATTTTGAAGCAGACGGGT  
 TAGAACTACCTACAGCAAGAGGCCCGAGCTCGAGATCTTCTTCCAGTCTTCTCCCTTTTATCATTAG  
 GTCGCTCGAGGATGTAAGTCTCCAGTCTCCCCCAGCTAAAGTATACAGCTCAGATTTCCAGAGCCT  
 CCTCCAGCAACAATGACAGTCTAGTGCAGTAGTAGTGGCAGTAATCCAACATTCCTAAAGAAAAAA  
 AGCTCAGCAAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_026222
<b>Insert Size:</b>	2814 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_026222.2</a> , <a href="#">NP_080498.1</a>
<b>RefSeq Size:</b>	3616 bp
<b>RefSeq ORF:</b>	2814 bp
<b>Locus ID:</b>	51938
<b>UniProt ID:</b>	<a href="#">Q9D5Y1</a>
<b>Cytogenetics:</b>	3 A3
<b>Gene Summary:</b>	Required for assembly of dynein regulatory complex (DRC) and inner dynein arm (IDA) complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella. Probably acts together with CCDC40 to form a molecular ruler that determines the 96 nanometer (nm) repeat length and arrangements of components in cilia and flagella. Not required for outer dynein arm complexes assembly.[UniProtKB/Swiss-Prot Function]