

Product datasheet for **RN215095**

Ccdc39 (NM_001107667) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc39 (NM_001107667) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc39
Synonyms:	RGD1306277
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN215095 representing NM_001107667
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGA AAGACTG GTTGA ACACCGCCAGGACAGCCAGATGAGGCTGTGGGAGGATGGATGGCCAAT
 TAGCAAACTACACAAAGAAAAATCAAACCTTGAAGATCAGCTTCGCGACTATGAAGATCGAATTAATTC
 TATGTCTTCTCACCTTAAAAATGTCAATCAAGAGTTTTTATTACACAGTCTTTACAAAGCAAGGGAG
 TGTGAAATCGAAAGTGAAGAACATTTAAAGCCATTGCTGAAAGAGAGCTGGGACGAGTCAAGGATGAGA
 TCCAACAGCTGGAGAAGGAGATGGCCATCATCCTCGAGCGCAAGAACGACAAGGAAAAATGCTATATTTAA
 AGCTACTCAAAGCTGGATGGCTTGAATGTCAGATGAACTGGGACCAGCAAGCACTGGAAGCCTGGCTA
 GAAGAGTCTGCTCACAAGACAGCGACTCGCTCACCCCTCAGAAGTACTCTCAGCAAGACAATAACAAGA
 TCAGGGCCCTGACTCTGAAGTTAGAAAAGCTGACCATGGAGTGAATGAGAAGAGGAAGCTTCTAGACAA
 TGAACTCAGGAGACGCTAAGTGCAGTTAGAATTAGATAAAGCTGCACAGGATTTCCGGAAGATCCAC
 GTAGAACGACAGGAGCTCATTGAGCAGTGGGAGAACACCATTTGAGCAGATGCAGAGGCGGGATCAGGAGA
 TAGACAACCTGCGCTCTGGCATTAGCACGGATAAAGCAGGAAGCAAGAGAAAAAGAAGGTGTGGTGAGAGA
 GAAGATCAAGTTTCTGGAGAATGAGGTTGGGAACAACGTAGAGTATGAACGAAGAATTTCTATTGCTGAG
 CGTAAAGTGTCAAAGTGCAGGATGGAGTACCAGCGACAGGAAGCCAACAGAAATCAGCTGAAGGATGAGC
 TGGATACTTTAAAAACCACTCTCAATAGAACATCCAGTGATTTAGAAGCTCTGAGAAAAACATTTCCAA
 AGTAAAGAAGGACATCCTTGATGAAACAGGAAGATTACAAAACTCAAACATCACAATGAGATTGTAAAA
 CATAAATTAAGATGATAACTGAGAAGACCATAATCCATTGAAGAGAAAGCTACCAACATGGAAGACATGC
 TGAAGGAGGAGGAGAAAAATTTGAAGAAAGTGGAGGTTCAATTGAACATAGTAAAAAGGTGTGCTATTTAA
 GAAAGTCCAAGAGTTACAGAGTGCAGATAACAAAAGAGAAAAAGCTCTGGGATCAGAAATTAAGGAACCCGT
 TCTTCCTTGAAACATCTTAACCAACGGTTACACAACTGGACTTTGAAACCCTGAAGCAGCAGGAAATTA
 TGTACAGTCAAGATTTTACATCCAGCAAGTAGAACGCAGAATGTACGATTAAGGAGAGAAATTAATTC
 AGAGGAAAAGCAAGCCCTTGAAGTAAAAATCGTTGAACTTAGGAAGACAATGGAAGAGAGAAAAATCTACA
 CTTTCCCTTTTGAAGAACAGATCAAGAAGCTCCATAATGACCTCTACTTCAATTAAGAAGTCAAATGGTA
 AAAACAAGATGAGAAAGTCTCTCATGAATAAAATAGGTGAACTGCACCTTTTCGTTGATAGATCCGA
 GAAGGAACTGAACAAAGCCTAAGCTGTGAAAGAGGATTTGATGATTGAGGACAATCTTTAAAGCTTCAA
 GTTAAACGTGCTCGAAGCTGCTTATAGCAAAGCAGAGGAAGTCTTTCTGAGAGAAAAGGAAACAGC
 AGCTGTGCACAGCCATGGAAGAGAGAGTTGAAGAAATTAAGTGCACAAAGCCATGCTTACTCTACAGAT
 CAGATATGTTGACCAGCAGCGACAACTGTGAGTTCTGAATTTGATGAGCGGCTAAGTAAAAATTGATAAG
 CTTAAGAACAGATATGAAATTTACTGTTGTCATGCTGCCTCCTGAGGGAGAAGAGGAGAAAAACACAGT
 CCTATTATGTAATAAAGGCTGCTCAAGAAAAAGAAGAACTTCAAAGGGAAGGTGACAGCTTGGACGCTAA
 GATCAGCAAAGCTGAAAAAGAAATCTATGCTCTGCAGAACACCTTGCAAGTTCTGAGCAGCTGCAACAAC
 AATTACAAGCAATCTTTCAAAAAAGTGCAGCCGTCAAGTATGAGTACGGAATAAAAAATCAACTAGAAG
 AACAAAAAGAAGCGCAGATGAGAAATACAGATGCAACAAAGACAAATCAGAGAACTTCAAGAAGATAT
 CCAGAGCATGGAGAATACTTTTGAAGTTATAGAACAATTAGCAAATAATGCCAGAGAGAAATATCAGAG
 AAGCAAACCCTCTCATTTCAACTTCGTAAGGAGACTGAAGAGCAGAAGCCGAAAAATACAGCGAGTAACTA
 AGCAGTGTGGAAGACTCAGAAGAGAAATCCGCATTTTGAAGACAAACAAATGATGAAACTCTAGAAGAACA
 AGACATTCAGCTCCGTGAAATCATACAGTTTACAAGGACATTGACCAAATGCTAGTTAATGCCATGGAA
 AATGCAGAAATTCATGTCATCTTTCAAACATATTTTCAAGCAGAAATGGGTTAGAATACCTACAGCAAAG
 GCCCAAGCTCAAGATCGTCTTCCAGTCTCCTTCTCAATCAGGTCGCTGGAGGACTCAATCCCAT
 CTCTCCACCCACAGCTAAAGTATAGAGCTCAGATTCCCAGGACCTCCGGCAAGAAGTATAGTTCTAGG
 TCTAGTAGTGGCAGCAATTCCAACATCCCTAAAGGAAAAAAGCTCAACAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001107667
Insert Size:	2784 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:	<ol style="list-style-type: none">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:	<u>NM_001107667.1</u> , <u>NP_001101137.1</u>
RefSeq Size:	3865 bp
RefSeq ORF:	2784 bp
Locus ID:	310315
UniProt ID:	<u>D3Z8K2</u>
Cytogenetics:	2q24
Gene Summary:	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]