

Product datasheet for **RR215095**

Ccdc39 (NM_001107667) Rat Tagged ORF Clone

Product data:

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



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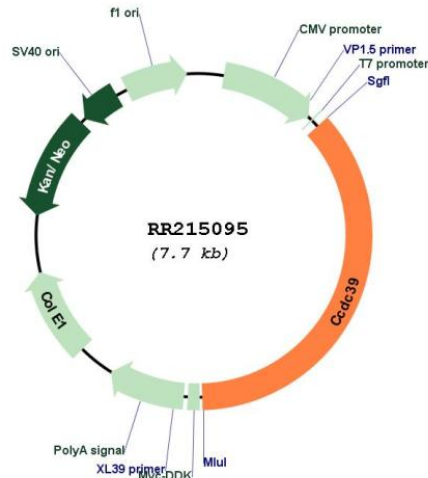
ORF Nucleotide Sequence:

>RR215095 representing NM_001107667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGA AAGACTG GTTGA ACACCGCCAGGACAGCCAGATGAGGCTGTGGGAGGATGGATGGCCAAT
 TAGCAAACTACACAAAGAAAAATCAAACCTTGCAAGATCAGCTTCGCGACTATGAAGATCGAATTAATTC
 TATGTCTTCTCACCTTAAAAATGTCAATCAAGAGTTTTTATTACACAGTCTCTTTACAAAGCAAGGGAG
 TGTGAAATCGAAAGTGAAGAACATTTAAAGCCATTGCTGAAAGAGAGCTGGGACGAGTCAAGGATGAGA
 TCCAACAGCTGGAGAAGGAGATGGCCATCATCCTCGAGCGCAAGAACGACAAGGAAAAATGCTATATTTAA
 AGCTACTCAAAGCTGGATGGCTTGAATGTCAGATGAACTGGGACCAGCAAGCACTGGAAGCCTGGCTA
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 GCCCAAGCTCAAGATCGTCTTCCAGTCTCCTTCTCAATCAGGTCGCTGGAGGACTCAATCCCAT
 CTCTCCACCCACAGCTAAAGTATAGAGCTCAGATTCCCAGGACCTCCGGCAAGAAGTATAGTTCTAGG
 TCTAGTAGTGGCAGCAATCCAACATCCCTAAAGGAAAAAAGCTCAACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Plasmid Map:


ACCN: NM_001107667

ORF Size: 2781 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001107667.1](#), [NP_001101137.1](#)

RefSeq Size: 3865 bp

RefSeq ORF: 2784 bp

Locus ID: 310315

UniProt ID: [D3Z8K2](#)

Cytogenetics: 2q24

MW: 108.7 kDa

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]