

Product datasheet for **RN215232**

Ccdc65 (NM_001014203) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc65 (NM_001014203) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215232 representing NM_001014203
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCCTAAAAAAGGAAAAAGCCCAAGTTACCCCTGACGGACGAAGAGCAGCTGATTTTATTTACGAGA
 AGTTGTTGGCCGACGAGGAGGCAGCCAAGAAGAAAGAGAGGCTCCTCACGCAGTTCTTGAAGACAAGTT
 GGCCAAAGAAGAACAACAGCTCTCTGAACCTTAATAAGATTAATACGCAGTGGAGAACCGTCCTCAGG
 GAGGTCAAGACCAGAGAGCTTCACAAGGACATTGAGATCCTCAGCCAAATCTTTGAACGAGTGGTGGACT
 GCAAAGACAGTGTCTTAAGTCTCTGGCGAGGGACCTGACTGAAGCTGAGGAGCAATACGCCACGCTCT
 GCGCGGCCACTTGCACAACGTTGACCAGCTCTTGACCCTGCAACGACGAGGCTCAGCCTCTGGAGGAA
 AATTACAACATGGAGCTGGAGGTCCTAACCAAGAGTTTGAGACCGAAAGGAAAGCAATCCTTGACCATC
 ACGATAAGGAAATCCACTACCTGCACGACGTCTTCATGGCCATGGAGCAGAACTATGTGGACTCGGAGTA
 TGAAAGCAAGCTAGAATTCAGAGCATGTGGGATGACCTGAAAAACAAGAATTTAGAAGAGAAGCACTTT
 CTTGCGCTACAACCTGGAGAACGTAGTGGAAGACCTGTGGAGGAGGTTCCAGGATGCACTCAAGAATTACA
 CAGATGCCACGGAGGACCGCAAGATCGCCTTTGAGACCCTGAAGGTGAAGGATGAGAAAAGCTCTAAAGA
 GATTGAGGTGCAGATGAAGAAGATCCAGAGGCTGCAGGAGGCCATCAGTGCCTTGAAAGGGAAGATCGTA
 GCCCACAGCCGCGAAGGTGAATGGCAGAATCAGTGTATCCGAAACGACAAGGAGCTGGTCCACGTGCAGC
 TTCGAAACTTAAGATCCAGAGGACCCAGGCCCGGACCGAATCTCAGGAGAACTTAGTCAAACCTCACCT
 GGAAAGTAACGCCACCCTCAAGGCCCTGAAAAAGGTTGTGGAGAAGGGTGAGAAGATCCTTAAGCTTGCC
 GAGATATGTAGGAAATTTGAAACCGAGGAAGAAAAAGTACTGCCTTTCTATTCTTCAGCACTGACCCCGG
 AGGAGCAGGAGGAGGTCGAGATCCAGAGCCAGGAGGAGATCACAGAGGATCTCGCCAAGATTATGATGGA
 CTACTTGGGAATGGAGAACTTCTGGAAGAGATACAACAAGGTGAAACTGGAGGTTCTGAGTCTCCAGCAC
 AGGCGGCTGCAGCTGCTGGATATCAGCAGCAAGCTGCGGGAGATGCTCAAGCAGTACTTGGACGGCATCT
 CGGTGAGCGACGAGGTGCTGAGCCGCTCAACCCGCTCTTCATAGTAAACCACAAAAGCAACCTGCCCCA
 GCTGCCCCCATCCGACGCGCAGCTGGCGGTGACAGAGGACCTGGTGGCGACAGAAGACTGACTTACAAC
 GTCATCGAGGGCGGCCACATTGCCTCCCATATCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001014203

Insert Size: 1509 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:	<u>NM_001014203.1, NP_001014225.1</u>
RefSeq Size:	1863 bp
RefSeq ORF:	1509 bp
Locus ID:	362994
UniProt ID:	<u>Q5XIJ8</u>
Cytogenetics:	7q36
Gene Summary:	Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes. Coassembles with DRC1 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules.[UniProtKB/Swiss-Prot Function]