

Product datasheet for **MC216875**

Ccdc65 (NM_153518) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ccdc65
Synonyms:	4933417K04Rik; AI428139; AU020178; NYD-SP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC216875 representing NM_153518
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTAAAAAAGGAAAAAGCCCAAGTTGCCAAGGCACCCCTGTCCGAGGAAGATCAGCTGCTTATAT
 TTCAGCAAAAGATGCTGGCTGACGAAGAGGCAGCCAAGAAGAAAGAGAGACTCCTCACCCAGTTCTTGAA
 GGACAAGTTGGCCAAAGAACAACAACAGCGCTCTAAACCTTAATAAGATTAACACGACAGTGGAGAACC
 ATCCTCAGGGAGGTGAAGACGAGAGCTTCACCAAGACATCGAGATCCTCAGCCAGACCTTTGAACGCG
 TGGTGGACTGTAAGGACAGCGTCATCAAGTCTCTGGCTAAGGACTTGACTGAAGCTGAGGAGCAGTATGC
 CCACGCTCTGCGTAGTCACTTGACACAACATTGACCAGCTCTTGACCCTGCAACGACGCCGGCTCGGCCTC
 CTGGAGGAAAAATTACAACATGGAGCTCGAGGTCTGACCAAGAGTTTGAGACGGAAGAAATTGATCA
 TTGACCATCATGAGAAGGAGATGCACTACCTACAGGACGTCTTCATGGCCATGGAGCAGAACTACATAGA
 TTCCGAGTATGAGAGCAAGCTGGAGTTCAGAGCATGTGGGATGACCTAAAAACAAGAATTTAGAAGAG
 AAGCACTTTCTCGCTACAACCTGGAGAACATAGTGGAAGATCTGTGGCGGAGGTTCCAGGATGCACTCA
 AGAATTACACCGACGCCACGGAGGACCGGAAGATCGCCTTTGAGTACCTGAAGGTGAAGGATGAGAAAAG
 CTCAAAGAGATTGAGACGCAGATGAAAAAGATCCAGAAGCTGCAGGAGACCATAGGTATCCTGAAAGGG
 AAGATCGTAGCCACAGCCGGAAGGGGAATGGCAGAATCAGTGATCCGGAATAACAAGGAGCTGGTCC
 ACGTGCACTTCGAAAACCTTAAGGTCCAGAGGACCCAGGCTCGGACCCTATCTCAGGAGAACTTAGTCAA
 ACTCACCTGGAAAGTAATGCCACCCTCAAGGCCCTGAAGAAGGTGCTGGAAGGGTGAAAGATCCTT
 AAGCTTGCTGAAATATGTAGGAAATTCGAAACCGAGGAAGAAAGGTGCTGCCTTTCTACTTTCAGTGC
 TGACTCCCGAGGAGCAGGAAGAGGCCAAGCTCCAGAACCCGAGGATATCACAGAGGACCTTGCCAAGAT
 TATGATGGACTACGCGGGGATGGAGAACTCTGGAAGAGATACAACAAGGTGAAACTGGAGGTCTGAGT
 CTCCAGCACAGGCGGTGCAGCTGCTGGATATCAGTAGCAAGCTGCGGGAGATGCTCAACAGTACTTGG
 ATGGCATCTCCGTGAGCGACGAAGTCTGAGCCACCTCAACCCGCTCTTCGTAGTAAACACAGAAGCAA
 CCTACCCAGCTGCCCCACCTCGGCCAGCCTGTCTACAACGTATCGAAGCCGCCACATTGCCTCC
 CATATCCTGTGA

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_153518

Insert Size: 1482 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153518.1, NP_705738.1</u>
RefSeq Size:	1880 bp
RefSeq ORF:	1482 bp
Locus ID:	105833
UniProt ID:	<u>Q8VHI7</u>
Cytogenetics:	15 F1
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]