

Product datasheet for **MC222724**

Ccdc66 (NM_177111) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc66 (NM_177111) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc66
Synonyms:	E230015L20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222724 representing NM_177111

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCTGGGAGATGGTTTAAAGCTTGAACCTGAATTACTGGATGGAAAAACCAAGTTAATACTGTCCC
 CATATGAGCATAAATCAAAAGTTTCTGTGAAGATGGGAAATAAGTTCAAAATTGCAAAATGCCTTTAAG
 AACAAAACAGACTGGACATACTTTAAAAACAACACAAAATACTTACATTGGGAATGAAAACTTTCTCAA
 AAGAAGATCTCTACTTTAGACACTTCACAAGCAAAACCTGAAAATAGTAGATTGACATTTTCACCCAGTA
 CGGATAAGCAGTATTCAGAAAAAGACAGTGTCCGTGTTCAAAAGGAGATTTACCTACAACCTCTAATAT
 ACGGAAGATTATAAACTACCGGTACTGTCCAGTGGCTAAACAGAAGCCTTGCAAAAAAACCCACA
 GCGGAGACCATGAACAGCGGTTTGGTGTGTCTCACACAAGACCAGCTTCGGCAGATTTTGATGCTGAGTG
 TGAACCAGGGAATGGATCTGTGTGCCTCACTGAGACTGGGAGGAGGAAGCAAGTCAAGATAGTTTACA
 TTTAATCAATATTCCTAGTCAGCCAAAGGATGTGAATGACACAGGATTCCTGCAAAACACGGAGGCCGCT
 TCCCTGTACGAGTGAACATGAGCATGTCCACCGGAGAGCTCAAGAGGCATTTACGAGTGTGAGCAGA
 AAGCTGCCACAGAGAATGAATGGAACACAGCTGACATATTCAGTACTCTGGGGGAAAGGGAACGTGATAA
 AAGTTTGTGGAAGCAAGAAGAGCCAGTGAAAAAGAGCTAGATGAACAGGTTGCCTTAAAGAAGAAA
 GAGAAAGAAGCTTCCAAAAATGGCATAACCTTGGAAGCCATCTGATATAGAGTGTGAGAAGTCTCAAG
 TCCATGACCAGTCTAAGGAAGCAAGACTGCTGGAGTCCCTTGCAGCGCCATTAAACAGGAGCAGCAGAG
 AAAATGGATTGAAGAATTGAATAACAAGTTGAAGATGACCAGCAAGAAAAAGCAGAGGAAAGAATGATA
 TATTCAAAGGGTGAGGAACATGACAGATGGGCAGTGCATTTTGATTCAATAAAGAGTCATCCTGGCTCCC
 AGTCTCGACTGTCTCTCAGTTAACACACCAACCTGGAGTCGCTTTGTGTGTCTCCCGACACTCAGGA
 GCTGGCTGATGTCAATGGTGTTTTACACCTCCACCTGGAGTCCAGGCGGAGCCTTCAGAGAAAGAACA
 AGAGCCAGACCTGTTCTGGAGATGGCTGTATCACACGGTCCGAAAAACAACCTTTCTCCGTCTATGACTG
 CACTCTTGGATCCAGCCAGATTGAGGAGCGGGAACGACGCCGACAAAAACAATTAGAACATCAGAAAGC
 AATCATGGCTCAGGTAGAAGAGAACCGCAGGAAGAAGCGGCTAGAGGAAGAACAAGAAAGAGGAGGAG
 CAGGAAGTGGAGTGGCTTGGCAAGGGAACGGGAGGAGATGCAGAGGCAGTATGAAGAGGACATTTCTGA
 AGCAGAGACAGAGAGAAGAAATCATGACTCTAAGACAAACGAGCTATTCACACAATGCAGCGAGCTCA
 GGAGTTGGCACAGAGGCTCAAACAGGAGCAGAGGATCAGAGAACTGGCTCAGAAGGGACATGATACATCC
 AGGCTGATTCAAATCTTGGTGCACAAGTGGATTATAAGGCATTCATACCATCTCCAGTCCCACAGTG
 ACCCTGAGGAGACTGCTGACACTTCAACAGCCTCTCCCAAGAAGGACACAGGCGTGACAGACAGATGACGT
 AAACCTTAGGAATTTCAATGATGCGCTACCACCTGTGGATCGGTAAACAGAGAAGGGTATTAGAACATT
 TCTTCTCCAGAGATTTCTGCAGAATTCAGTGGACAGACTGACATTAGAAAAGAGAACCAAGAACTAAGTA
 TGAATAAAGGCACTAATTTAGACAAAGAAAACAGCTGGCATAATGGCCAGTGTAATCAGTACAGAAGAAC
 AGAGAAACAAACAAAACCTCATGAAGAAATGTCCTAAGAAGCCTGCTTGAATATAAACAAACCTCTCAA
 AAGTATGTTCTGCATCAGCCAAGTACCCGCACATCTCCAGAAGGAGAAAGAAGAAAAAAGGTACAGA
 GGCAATGGAGCTGCTTCACTTAGTGGAGAGAAACAATCCCGAGAATCTCTCCAAAAACAGAGGCATTTT
 ACCACTTGCTACATCTCATCGAGAACTGAGTCAGAGAGCAGGTTGCACCTTATCAAAAAGGTAGAAGAA
 CCTCTGAAAACCTCTTCACTTAGTAAAGAAAGGTTTCAAACATCACCAGCAGTAAAAAACAGAACTCAAC
 AAACCTCAAAGTAATGTATTACACTTACCACTAAAAACAATGACTATGAAAAGGAGACTCTGACTTTAGG
 AGATGGTCATACTAAATTATCAGATGAGATGTCTGAGCCATCCCATTTTATTCCTACGTTTGAACAAAT
 GAGATCTATTATCTTGATCCAGACGCACCTTGTCTAGGCCTTCAACCCAGGACAACCAATACCAAAAAT
 CTCATGATTGTGCCCAGAGACAAGAGCTATTTGACTCTGACCATATCAGGGATCCACTTCTTAATCCTAA
 ATTAGTGAAAAACAGGGACCGACAGCAAGCTATCCTTAAGGGGCTTTAGAACTAAGACAGGGTCTTCTC
 CAGAAACAAAAGGAGTTGGAACGAATCTCATACCCTTAAGTCAAAACCAAGAAGATAATTTAGTTCTT
 CGTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_177111
Insert Size:	2808 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_177111.3</u> , <u>NP_796085.3</u>
RefSeq Size:	2951 bp
RefSeq ORF:	2808 bp
Locus ID:	320234
UniProt ID:	<u>Q6NS45</u>
Cytogenetics:	14 A3
Gene Summary:	Microtubule-binding protein required for ciliogenesis. May function in ciliogenesis by mediating the transport of proteins like BBS4 to the cilium, but also through the organization of the centriolar satellites (By similarity). Plays a role in retina morphogenesis and/or homeostasis (PubMed:21680557).[UniProtKB/Swiss-Prot Function]