

Product datasheet for **MC218442**

Ccdc123 (BC003981) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc123 (BC003981) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc123
Synonyms:	2610507L03Rik; Ccdc123
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC003981
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCTCAGCTTCCGCAGGAACCGCCGGAGCCAGTTCAACCACATCATCCATGGCTTCTCCCGCAG
CCAGCATTGCTCCGAAGCCAGCGGTGCCACGCACACCCCTCCTCGGAGCCCAACCTTCTCCAGAGAG
GCCCAGGTCTGCTCTGGCTGCAGCCATCCTGGCAACCACGTTGACTGGGAGACAGTTGCCATTCGCCAG
CCTCGCCAGAGATCTCGGTCTGAGAGTGATGCCTCCGACATTGAAAAGGACAGCTTCATCAAGCCTTACG
CCACCCTTCCGAGCTGAGGCTGCGGCAAAGCTGGCAGAATGAGCCGAGAAGGACGTCATTACCATCCTT
TGAGATGTTAGGCTACGGGGAGGATGAAGATGCTGAAACACAGGTGTCAACCAGCTGCAGGGAGTCAGAG
TCCACCTGGAAGGATGTGGGAGATGGCAGAGATGCTACATACACTGTGCCTCACAGGGACCAGTACTGC
CGTCCCAAAGCTGGTGAAAAGGATGATGCTCCTCAACCAGACTGGCTTTCAGACTCCTCCTCCTCCTC
CTCCTCAACACCACAGCACACTCAGCAGAAAGATGTTAAACACTCTGTTCTGAATCTAGAGGGTGAGAAA
GTCCGGTTGCATGAAAAGCCTCCTCCTCCCGAGATGTAGCTGGTAGAATACATCAAAGATATACAGAAA
TAACCAAAGAAAAGTTTGCGGAGTTAAAAGAAGAACTGTGCATCTGTACTCTGCAAACCAAGCCCTCAG
CTGTGAACTGAGCGCTCTGAGACAGGCAATGAAGGACTTACAGCTGAAGCTCAAGTTGGTGGAAAAAGAC
AACAGGAAGCTGAAGGAGACGGAAAAGGCTTCTGTGAGGAAGGAGTCACACCTGAATTGCTTTGCCTAA
GGAAGCAAAGCCAAGACCTGGTGGATGAAAACGAGGGGCTGAAGATGATTGTCCATCGATTGAACGTAGA
ACTCAGTCGCTACCAAACAAAATTCAGGCCTTTGTCTGAGGAAGAGAGTTCCCATATCCAAGGCCTCCCA
TCCAAGGGCCCCACACCACCTGGTTGGTGGATATAAAGTATCTCTCACCCTGTTGCTGGCTTATGAAG
ACAGAAATGAAAGAGAAGGACAACTCAGCACCGCCCTGGAGGAGGAAATGAAAACCTTTAGGCTTCGAGT
TCAGGAAGTCGTGAAGGAAAACGAAGCCTTGACCAAGAGTTAACTAAGAGAAGCCCATCACCGTAGAG
GAATGGAGGCAGCTTCAGACTCAAGCAGAGCTGGTTCTAGATGAGAACAAGCTGCTGATAGAGCAGTTGG
AGATTGAGCAAGCAAAGCCAGGGACACCCACAGGCACCTCCAGGATGTTTCTAAGCTGACTAAACA
ACTTGTGCTCCTGGAAGCAAAGACTCAGGGCCAGGAAAAGCAGCTCGTGGAAAGCACGGAGCAGCTGGAG
AGCTTGCAGGCCAAATGCACAGAGCTCAAGGCACAGCTGGATAGCAAGATCGCAGTGGACGTCATACAT
CAATTGTCAATGAACTAAAAGCCAGTTGCAAAGGAAGAAGAGAAGACAGTGTGAGATGGAGGAGCT
GATGGCAAAGCTGACGGCCCTACAGGTGCAGAAGAAGAGCCTGCTTCTGGAGAAGAGCAGCTGGGCCACC
AGGAACAGAGCGCTAGAGCCGAGCTGGAGCGCACGCGCAAGGCCAACAGGCGATACCAAAGAGAATTG
ATGTCCTCAGAAAAGCAAGTAGAAAAGGCCATGGGGAAGGAGATGTCTGCTCACCAGTACCTGGCAAACCT
GGTGGGCTTGGCAGAGACTGTCACCAAGGAACGAGACAGTCTTAAGTATTTGATGCTGGAGAAGCGCACA
GCCAGCAAGAACCTGGCAGGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC003981

Insert Size: 1917 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: [BC003981](#), [AAH03981](#)

RefSeq Size: 2837 bp

RefSeq ORF: 1916 bp

Locus ID: 72140

Cytogenetics: 7 B2

Gene Summary: Required for ciliogenesis. Also plays a role in mitochondrial metabolism where it may modulate complex IV activity (By similarity).[UniProtKB/Swiss-Prot Function]