

Product datasheet for **MR210106**

Ccdc46 (BC086808) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc46 (BC086808) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc46
Synonyms:	1700001M19Rik; 1700029K01Rik; 8430407H02Rik; AV043680; AV207351; Ccdc46; Macoco
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210106 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAAAACAAAAATGATGGAAGCAAAATTTTCTGAAGAGAACTTAAGCTGCAGCAGAAGCATGATGCCG
AAGTGCAGAAGATTTTAGAAAAGAAAGAATAATGAATTAGAAGAGTTGAAAATCTTATACAAAAAGAAACA
AACTGAAACTGAGGAGACCATACGAAAGCTTGAAGAAGAAAGTTTCAGATCCTTATCCGTGACTGTCAGGTT
ATCAGAGAACTAAAGAAAACAGATAACCGAGCTGAAGAAGATCTGTGAGCAAAGCACAGAGTCTCTGA
ATAATGATTGGGAAAAAAGCTTCACAATGCTGTAGCAGAAATGGAAAAGGACAAATTTGAGCTTCAAAA
GCACCATACGGAGACCATCCAGGAAGCTGGAGGACACAAATGTGCGGTGAGTAAAATGGAGGCAGAC
TATGTGGTGCAGATGCAGTCCACAAACCACATGATCAAAGAGCTGGAGGGCCGTGCCAGCAACTGATGG
GAGAAGCAGAGAACAGCAATCTACAGAGGCAGAAATTGACCAAGAAAAATTTGGAGCTGGAAGATGCTA
CCAGATAACATGTAATGAATTGCAGGAGTTAAAGACAAGGCGCAACATACTACATAAAGAGAAAAGAACAT
CTTGTAATGACTATGAGCAAAATGTGAAATTATTAATAACTAAATATGATTCTGACATAAATCTCCTGA
GACAAGAGCATGCACTTTCAACTTCTAAGACATCTGGTGTGATTGAAGAGTTAGAACAGAACATCTGTCA
ATTA AACAGCAGGTC AAGAATCGGAGCTTCAGAGGAAACAGCAAGTAAAAGATCAAGAAAATAAGTTT
CACATGGAGAAAAACATTTAAACACACCTATGAGAAAAAGGTTTCATGAACTGCAGAGTGAAGTTGATA
AAGAGAAGGAAGATGCTCAGAGGAAGATCCATAAATTTGAGGAAGCTTTGAGGAGAAGGAGGAGCAGCT
CAGCAGAGTGAAGTTCAGAGGCTGCAAGCCAGCAGGCAGATGCTGCTCTGGAGGAGTTTAAAGCGG
CAGGTAGAAGTGAAGTCTGAGAAGGCTATGGTGAAGTGAAGAGCAGATGGAAGAAAGTGAAGCAGACC
TAACGAGATCCAAGTCTCTCCGTGAGAAGCAGTCCAAGGAGTTTCTGTGGCAGCTGGAAGACGCCAAGCA
GAGATATGAACAGCAGATAGTAGAGCTGAAGCTGGAGCATGAACAGGAGAAGACGCACCTATTACAGCAG
CACAGCGCAGAGAAGGATAGCCTAGTCCGAGACCATGATCGGAAAATTGAAAACCTGGAGAAAACAGCTTC
GCGCTGCCAATATGGAGCACGAAAATCAAATTCAGAGTCCAAGAAACGAGATGCTCAGGTTATTGCTGA
CATGGAGGCCAGGTTTATAAGCTGAGGGAAGAGCTGATTAGTGTGAACTCTCAGCGAAAACAGCAGTTG
ATAGAACTTGGTCTTCTCGGGAAGAAGAGAAGCAGAGAGCTGCAAAGGACCATGAGACTGCTGTCAAGA
AGCTGAAGGCCGAGTCAAGAGGGTAAAATGGAGCTCAAAAAGACACACGCTGCTGAGACCGAGATGAC
TCTGGAGAAGGCCAACAGCAGGCTGAAGCAGATCGAGAAGGAATACACTCAGAAGCTTGCCAAATCTTCT
CAGATCATAGCAGAACTTCAGACAACCATTTCTCTCTGAAAGAGGAGAGCAGTCGGCAGCAGCTTGCTG
CAGAAAGGCGGCTCCAGGATGTTATACAAAAGTTTGAAGATGAGAAGCAGCAGCTGATTAGAGATAATGA
CCAAGCAATCAAGGCTTTACAAGATGAACTAGAAACCCGCTCTCATCAGGTGCGAAGTGCAGAGAAAAAG
TTACATCAAAAAGAACTGGAGGCGCAGGAGCAGATAATGTACATACGACAAGAATATGAAACAAAATTCA
AGGGGTTAATGCCAGCGTCTTAAGACAAGAACTTGAGGACACCATATCCTCCCTAAAGTCAAGGTCAA
CTTTCTACAAAAGAGGGCATCTATCCTTCAAGAAGAACTGACCACCTACCAAAGCAGAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210106 protein sequence
Red=Cloning site Green=Tags(s)

MKTKMMEAKFSEEKLLKQKHDAEVQKILERKNNLEELKILYKKKQTETEETIRKLEKKVQILIRDCQV
 IRETKENQITELKKICEQSTESLNDWEKKLHNAVAEMEKDFELQKHHETETIQELLEDTNVRLSKMEAD
 YVVQMSTNHMIKELEGRVQQLMGEAENSNLQRQKLTQEKLELERCYQITCNELQELKTRRNILHKEKEH
 LVNDYEQNVKLLKTKYDSINLLRQEHALSTSKTSGVIEELEQNICQLKQVQVESELQRKQVVDQENKF
 HMEKNHLKHTYEKKVHELQSELDKEDAKRKHFKFEEALKEKEEQLSRVTEVQRLQAQQADAALFEFKR
 QVEVNSEKVVYEMKEQMEKVEADLTRSKSLREKQSKFELWQLEDAKQRYEQQIVELKLEHEQEKTLLQQ
 HSAEKDSLVRDHDREIENLEKQLRAANMEHENQIQESKKRDAQVIADMEAQVHKLREELISVNSQRKQQL
 IELGLLREEEKQRAAKDHETAVKLLKAESERVKMKLKKTHAAETEMTLEKANSRLKQIEKEYTQKLAKSS
 QIIAELQTTISSLKESSRQQLAAERRLQDVIQKFEDEKQQLIRDNDQAIKALQDELETRSHQVRSAEKK
 LHHKELEAQEQIMYIRQEYETKFKGLMPASLRQELEDTISLKSQVNFLLQKRASILQEELTTYQSRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC086808

ORF Size: 2091 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: [BC086808](#), [AAH86808](#)

RefSeq Size: 2756 bp

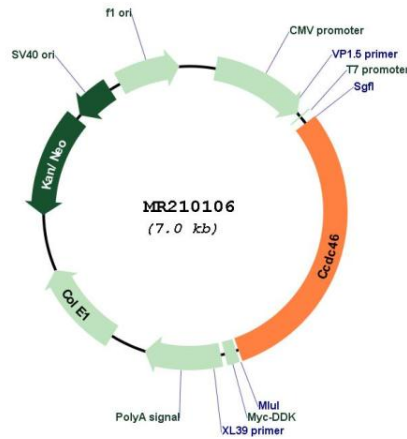
RefSeq ORF: 2093 bp

Locus ID: 76380

Cytogenetics: 11 E1

MW: 83.1 kDa

Product images:



Circular map for MR210106