

Product datasheet for **MG210106**

Ccdc46 (BC086808) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ccdc46 (BC086808) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Ccdc46 |
| Synonyms: | 1700001M19Rik; 1700029K01Rik; 8430407H02Rik; AV043680; AV207351; Ccdc46; Macoco |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide
Sequence:

>MG210106 representing BC086808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAAAACAAAAATGATGGAAGCAAAATTTTCTGAAGAGAACTTAAGCTGCAGCAGAAGCATGATGCCG
AAGTGCAGAAGATTTTAGAAAGAAAGAATAATGAATTAGAAGAGTTGAAAATCTTATACAAAAGAAACA
AACTGAAACTGAGGAGACCATACGAAAGCTTGAAGAAAGTTTCAGATCCTTATCCGTGACTGTCAGGTT
ATCAGAGAACTAAAGAAAACAGATAACCGAGCTGAAGAAGATCTGTGAGCAAAGCACAGAGTCTCTGA
ATAATGATTGGGAAAAAAGCTTCACAATGCTGTAGCAGAAATGGAAAAGGACAAATTTGAGCTTCAAAA
GCACCATACGGAGACCATCCAGGAAGCTGGAGGACACAAATGTGCGGCTGAGTAAAATGGAGGCAGAC
TATGTGGTGCAGATGCAGTCCACAAACCACATGATCAAAGAGCTGGAGGGCCGTGCCAGCAACTGATGG
GAGAAGCAGAGAACAGCAATCTACAGAGCAGAAATTGACCAAGAAAAATTTGGAGCTGGAAGATGCTA
CCAGATAACATGTAATGAATTGCAGGAGTTAAAGACAAGGCGCAACATACTACATAAAGAGAAAGAACAT
CTTGTAATGACTATGAGCAAAATGTGAAATTATTAATAACTAAATATGATTCTGACATAAATCTCCTGA
GACAAGAGCATGCACTTTCAACTTCTAAGACATCTGGTGTGATTGAAGAGTTAGAACAGAACATCTGTCA
ATTA AACAGCAGGTC AAGAAATCGGAGCTT CAGAGGAAACAGCAAGTAAAAGATCAAGAAAATAAGTTT
CACATGGAGAAAAACATTTAAACACACCTATGAGAAAAAGGTTTCATGAACTGCAGAGTGAAGTTGATA
AAGAGAAGGAAGATGCTCAGAGGAAGATCCATAAATTTGAGGAAGCTTTGAGGAGAAGGAGGAGCAGCT
CAGCAGAGTGAAGTTCAGAGGCTGCAAGCCAGCAGGAGATGCTGCTCTGGAGGAGTTTAAAGCGG
CAGGTAGAAGTGAAGTCTGAGAAGGCTATGGTGAAGTGAAGAGCAGATGGAAGAAAGTGAAGCAGACC
TAACGAGATCCAAGTCTCTCCGTGAGAAGCAGTCCAAGGAGTTTCTGTGGCAGCTGGAAGACGCCAAGCA
GAGATATGAACAGCAGATAGTAGAGCTGAAGCTGGAGCATGAACAGGAGAAGACGCACCTATTACAGCAG
CACAGCGCAGAGAAGGATAGCCTAGTCCGAGACCATGATCGGAAATGAAAACCTGGAGAAACAGCTTC
GCGCTGCCAATATGGAGCACGAAAATCAAATTCAGAGTCCAAGAAACGAGATGCTCAGGTTATTGCTGA
CATGGAGGCCAGGTTTATAAGCTGAGGGAAGAGCTGATTAGTGTGAACTCTCAGCGAAACAGCAGTTG
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AGCTGAAGGCCGAGT CAGAGAGGTTGAAAATGGAGCTCAAAAAGACACACGCTGCTGAGACCGAGATGAC
TCTGGAGAAGGCCAACAGCAGGCTGAAGCAGATCGAGAAGGAATACACTCAGAAGCTTGCCAAATCTTCT
CAGATCATAGCAGAACTTCAGACAACCATTTCTCTCTGAAAGAGGAGAGCAGTCGGCAGCAGCTTGCTG
CAGAAAGGCGGCTCCAGGATGTTATACAAAAGTTTGAAGATGAGAAGCAGCAGCTGATTAGAGATAATGA
CCAAGCAATCAAGGCTTTACAAGATGAACTAGAAACCCGCTCTCATCAGGTGCGAAGTGCAGAGAAAAAG
TTACATCAAAAAGAACTGGAGGCGCAGGAGCAGATAATGTACATACGACAAGAATATGAAACAAAATTCA
AGGGGTTAATGCCAGCGTCTCTAAGACAAGAACTTGAGGACCATATCCTCCCTAAAGTCAACAGGTCAA
CTTTCTACAAAAGAGGGCATCTATCCTTCAAGAAGAACTGACCACCTACCAAAGCAGAAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210106 representing BC086808
 Red=Cloning site Green=Tags(s)

MKTKMMEAKFSEEKLLKQKHDAEVQKILERKNNLEELKILYKKKQTETEETIRKLEKKVQILIRDCQV
 IRETKENQITELKKICEQSTESLNDWEKKLHNAVAEMEKDKFELQKHHTETIQELLEDTNVRLSKMEAD
 YVVQMSTNHMIKELEGRVQQLMGEAENSNLQRQKLTQEKLELERCYQITCNELQELKTRRNILHKEKEH
 LVNDYEQNVKLLKTKYDSDINLLRQEHALSTSKTSGVIEELEQNICQLKQVQVESELQRKQVVKDQENKF
 HMEKNHLKHTYEKKVHELQSELDKEKEDAQRKIHKFEEALKEKEEQLSRVTEVQRLQAQQADAALFEFKR
 QVEVNSEKVVYEMKEQMEKVEADLTRSKSLREKQSKFELWQLEDAKQRYEQQIVELKLEHEQEKTHLLQQ
 HSAEKDSLVRDHDREIENLEKQLRAANMEHENIQESKKRDAQVIADMEAQVHKLREELISVNSQRKQQL
 IELGLLREEEKQRAAKDHETAVKLLKAESERVKMLKKTTHAAETEMTLEKANSRLKQIEKEYTQKLAKSS
 QIIAELQTTISSLKEESSRQQLAAERRLQDVIQKFEDEKQQLIRDNDQAIKALQDELETRSHQVRSAEKK
 LHHKELEAQEQIMYIRQEYETKFKGLMPASLRQELEDTISLKSQVNFLLQKRASILQEELTTYQSRR

TRTRPLE - GFP Tag - V

Restriction Sites:

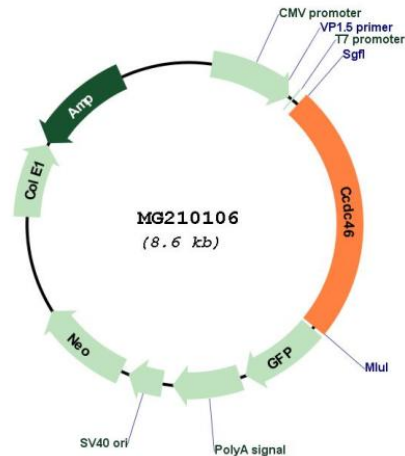
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC086808

ORF Size: 2093 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