

## Product datasheet for MR216225

### Ccdc50 (NM\_026202) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc50 (NM_026202) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc50
Synonyms:	C3orf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216225 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCGACGTGAGTGTAGATCAGTCCAAGTTGCCGGCGTGAAGGAAGTGTGTAGAGATTTTGCCGTCC  
TGGAGGACCACACCCTGGCCATAGCCTGCAGGAACAAGAGATTGAGCATCATTTGGCATCCAACATTCA  
GCGGAACCGTCTGGTACAACATGATCTGCAGGTTGCTAAGCAGCTCCAAGAGGAAGACCTCAAAGCCAA  
GCTCAGCTCCAGAAGCGCTACAAAGCCCTTGAACAACATGATTGTGAAATTGCTCAGGAAATCCAGGAGA  
AGCTAACCATTTGAGGCTGAGAGACGACGATTCAGGAAAAGAAGGATGAGGACATAGCACGTCTTTTGA  
AGAGAAGGAGCTACAGGAGGAGAAAAGGAGGAAGAAACACTCCAGAGTTTTCTGGGGCAGTGTTTTT  
GGAGATAACTACTATCATGAGGATGGAGGAATGAAACCAAGAGGAATAAAGAAGCTGTCTACTCCAG  
CACGAGCAAGCCACAGGGACCAGGAGTGGTATGATGCTGAAATTGCCAGGAAATTGCAAGAAGAAGAACT  
TTTGGCTACTCATGTGGACATGAGAGCAGCTCAGGTTGCCAGGATGAGGAAATTGCTCGACTTCTAATG  
GCTGAAGAAAAAAGCTTACAAGAAAGCCAAAGAGCGAGAAAAGTCATCTTTGGACAAAAGGAAACATG  
ACCCTGAATGCAAGTTAAAAGCAAAGTCAGCCCACTCAAAGTCAAAGAGGGTGATGAAGCACACCGCTC  
CAAGATTGACAGGCCATCAAGACCACCACCTACCATGATGGGCCTTGAGGACACAGATCCCACCCAT  
TTTACAACCAGCACAGTACAACATGGCATCTTCAAAGTCAGAGTCCTCACAGAAAGGCTTCCATAACA  
AGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216225 protein sequence  
 Red=Cloning site Green=Tags(s)

MADVSDVQSKLPGVKEVCRDFAVLEDHTLAHSLQEQEIEHHLASNIQRNRLVQHDLVAKQLQEEDLKAQ  
 AQLQKRYKALEQHDCEIAQEIQEKL TIEAERRRIQEKKDEDIARLLQEKLQEEKRRKKHTPEFSGGSVF  
 GDNYYHEDGGMKPRGIKEAVSTPARASHRDQEWYDAE IARKLQEEELLATHVDMRAAQVAQDEE IARLLM  
 AEEKKAYKKAKEREKSSLDKRKHDPECKLKAKSAHKSKEGDEAHRSKI DRPSRPPPTMMGLEDTDPTH  
 FTNQHSTTWHLPKSESSQKGFHNKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026202

**ORF Size:** 918 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:** [NM\\_026202.4](#), [NP\\_080478.2](#)

**RefSeq Size:** 7017 bp

**RefSeq ORF:** 918 bp

**Locus ID:** 67501

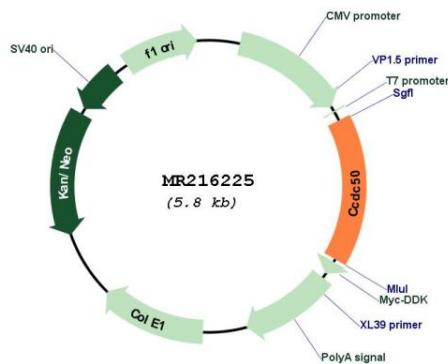
**UniProt ID:** [Q810U5](#)

**Cytogenetics:** 16 18.98 cM

**MW:** 35.3 kDa

**Gene Summary:** Involved in EGFR signaling.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216225