

Product datasheet for **RR200700**

Ccdc105 (NM_001025774) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc105 (NM_001025774) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc105
Synonyms:	MGC116191
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200700 representing NM_001025774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGTGTGCTCCCTCCACCGACCGGACCAGGACTCGCGTGTGGAGCTCCAGAATGGCACCAGG
 CGGCCAAGGCCAGTCCCAGCAAGGCACACCTTCTGACCGATCGCTGTGGGAAGGAGGCAGTGACCATGTG
 GCAGCCCAAGGACAGTGTGCTGGACCAAACTGGCGCACCACTTGGGCCGTGCCGCTACATGGAACCC
 TGGCGCTTTCAGTGGAGATGCTCAAAGGGGGCGCACCGTGGAAAAGCCACCTCCCGGCGAAGGCGTCA
 CGCTATGGAAGGAAGATGAAACCCCGGCTGGTACGCGCGCCTACCGCTGCCATGCACCGCGACGC
 GCGTGCCAGCAAACCGCGAGGTGGTGCACGCGCACGCGCGGGGGCGCGCTCACCGCCGCCGCTG
 GGCCGCGCGCAGCACCAGATCAATGGGCAGCTGCGGCTGCTGCTGCGCCAGCGAGAGGCCACTGACC
 GGCTCAGCGAGGTGCGCAAGGGCTGCTCATCAATGAGCAAAGCGTCAAGTTGCGGGCTACCGACCCAA
 ATGTGAGAAGATCCCAGACAAGGCTGACAGCATGCTTGTCTGGGAGAGAGGAACTGAAGTCCATGAAG
 AGAAAAATGGAGAAAGACATGGAAGATCGGAGGCCTTGCTCAAGGCTCTGGCCTCTGCAGGGACTC
 TGGACTTCTACTGTCAGGAAAGGCTGCAAGCTGTGGGACTCATGAACCAGCCGCTGGACAAGTTCTGGA
 GCAGGCTGGCCGCACTCGTGGGTAGACATCACCCGACCCCACTCCTCGAACTCAGGGCTTGAACG
 CCTCCTCTGACCCCGTGGGCGCATACACCCAGCCTGTGCTAAGGCCTTGTGTTGAAGCCAAGCGCTTGT
 TGATGGAGTCCAAGGACATCTTAGCCGAGCTGGCGAAGAACGAGGTGGACATTGAGAATCAACAACAGGA
 GATAAGCGATCGTGTATGCAACTCTTGGCACAGAAGATGCGCGAGACCTGGAGTTGAAGGAAAGAAATG
 ACCATGACTTTAGGGCTAATGAGGGGACTATCCACCGTGCATGAAATCAATCAAGAAATGTATGTCA
 CACGGGGCCTCATCAAGGTCCTTGTGTTGAAAAGAGACCTGGAGGCGCGAGAGAACTGAACAGACCTT
 GGTTGCGATGTATCAGAGACATGTGGCACCCAGCTGCCGGAAGCTACTCGCCTTGCCGAGGATCTGAC
 CTGCTAACCCGCCACAATTGCAATGGAAGAAGAACTAAAAGAAGCTCCGTACAACACACGACAACCTCG
 CCTGGAGCCTCAACTGCAAAAAGATAGGACACGATGTGGACTATGATGTGGTGCCTGCGCCTACGCCA
 GCTCCACCCGACGTGTCTATGAGCAGGCGAAGCGCCTGATCAACGACTGGGACCCTCGCACACCACCA
 CCGTGCAGCCGAACCAATACCTCTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200700 representing NM_001025774
 Red=Cloning site Green=Tags(s)

MPVLLPSTDRDQDSRVGAPEWHQAAKATSRKAHLLTDRCGKEAVTMWQPKDSVLDPNVAHHLGRAAYMEP
 WRFRVEMLKGGGTVEKPPPGEGVTLWKGKMKPPAWYARLPLPMHRDARAQQTAEVVHAHARGARLTAARL
 GRAQHQINGQLRLLLRQREATRRLSEVRKGLLINEQSVKLRGYRPKCEKIPDKADSM LVWEREELKSMK
 RKMEKDMERSEALLKALASCRDTLDFYCQERLQAVGLMNQPLDKVLEQAGRHSWVDITRPPTPRTQGLKT
 PPPDPVGAAYTPACAKALFEAKRLMESKDILAEAKNEVDIQNQQEISDRVCNSLAQKMRETLELKERM
 TMTLGLMRGTIHRCKMFNQEMYVTRGLIKGPLLRDLEAREKLNRPVLRMYQRHVGTQLPEATRLAQGTD
 LLTRHNLQMEKNLRELRTTHDNLAWSLNCKIGHDVDYDVVRLRLRQLHPHVCYEQAKRLINDWDPRTTP
 PCSRTNTSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

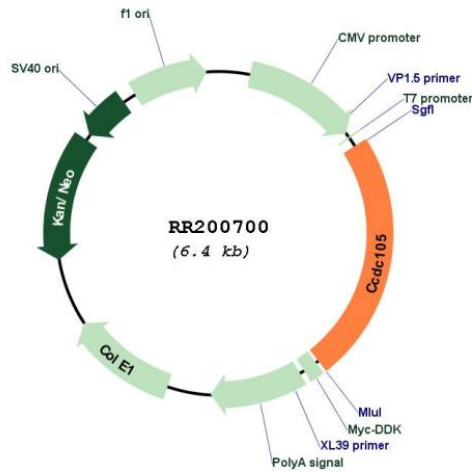
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001025774

ORF Size: 1500 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_001025774.1](#), [NP_001020945.1](#)

RefSeq Size: 1737 bp

RefSeq ORF: 1503 bp

Locus ID: 500800

UniProt ID: [Q4V7B5](#)

Cytogenetics: 7q11

MW: 57.5 kDa