

Product datasheet for **RC204219**

CCDC97 (NM_052848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC97 (NM_052848) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204219 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCGTGGCGACGGCGACGGCGGCGAAGGAACCCGATAAGGGCTGCATAGAGCCTGGACCTGGGC
ACTGGGGTGAGCTGAGCCGGACACCACTCCCATCTAAACCCAGGACAAAGTGAAGCAGCTGAGGCAAC
ACCACTGGCCCTGGACAGTGACACCTCCGGGGCTGAAAATGCAGCAGTGAGTGCTATGCTGCACGCTGTA
GCCGCCAGCCGCTGCTGTTTGCAGCCAGCAGCAGGGTGAACCCGACTTGACAGAGCATGAGAAAGTGG
CCATCCTGGCCAGCTGTACCACGAGAAGCCACTGGTGTCTGGAGCGTTCCGCACAGGCCCTCCGTGA
GGAGCATCTGGCCTGCTTTGGCCACGTGCGTGGCGACCACCGTGCAGACTTCTACTGTGCTGAGGTGGCC
CGGCAGGGCACTGCCCGGCCCGCACCCCTGCGTACCCGCTGCGTAACCGGCGCTATGCTGCCCTGCGAG
AGCTGATCCAAGGGGGCGAGTACTTCACTGATGAGCAGATGCGGTTCCGGGCCCCCTGCTATATGAGCA
GTACATCGGGCAGTATCTCACCCAGGAGGAGCTCAGTGCCCGCACCCCAACCCAGCCCCCAAGCCC
GGGTCCCCCGGGAGACCTGCTTGCCCGCTCTCAAATTGCTGCTCCAGTCTACGAGGAGCGGGAGCTAC
AGCAGCGTCTGCTCAACAGCAGGAGGAGGAGGAGGCCTGCTTGGAGGAAGAGGAAGAGGAGGAGGACAG
TGACGAGGAAGACCAGAGGTGAGCAAGGACTCGGAGGCCTGGTTCCCGACTCGGAGGAGAGGCTGATC
CTGCGAGAGGAGTTCACCAGCCGATGCACCAGCGCTTCTAGATGGCAAGGACGGGACTTTGACTACA
GCACAGTAGACGACAACCCGACTTCGACAACCTCGACATCGTGGCACGGGATGAGGAGGAGAGGTA
TGATGAGGAAGAACCTGAGGATGCGCCAGCCAGAGCTGGATGGGGAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204219 protein sequence
Red=Cloning site Green=Tags(s)

```
MEAVATATAAKEPDKGCIIEPGPGHWGELSRTPVPSKPDQKVEAAEATPVALSDTSGAENAAVSAMLHAV
AASRLPVCSQQQGEPLTEHEKVAILAQLYHEKPLVFLERFRTGLREEHLACFGHVRGDHRADFYCAEVA
RQGTARPRTLRLRLNRRYAALRELIQGGYFSDQMRFRAPLLYEQYIGQYL TQEELSARTPTHQPPKP
GSPGRPACPLSNLLLQSYEERELQQRLLQQEEEEEAEEEEEEEDSDEEDQSRSGKDSEAWPDPSEERLI
LREEFTSRMHQRFLDGKDGDFDYSTVDDNPDFDNLDIVARDEEERYFDEEPEPADAPSPELDGD
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6430_c12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_052848

ORF Size: 1029 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_052848.3](#)

RefSeq Size: 3344 bp

RefSeq ORF: 1032 bp

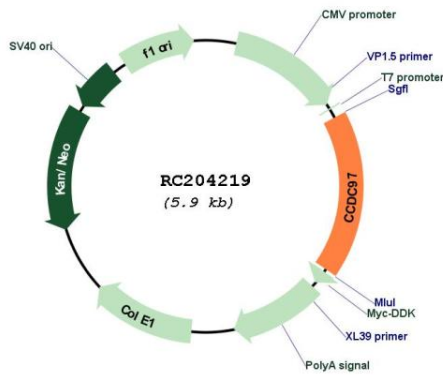
Locus ID: 90324

UniProt ID: [Q96F63](#)

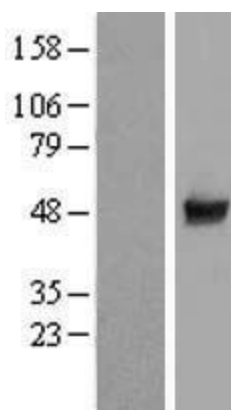
Cytogenetics: 19q13.2

MW: 38.9 kDa

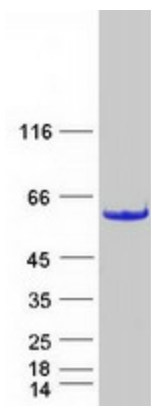
Product images:



Circular map for RC204219



Western blot validation of overexpression lysate (Cat# [LY409458]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204219 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC97 protein (Cat# [TP304219]). The protein was produced from HEK293T cells transfected with CCDC97 cDNA clone (Cat# RC204219) using MegaTran 2.0 (Cat# [TT210002]).