

Product datasheet for **RC211748**

CCDC64B (BICDL2) (NM_001103175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC64B (BICDL2) (NM_001103175) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC64B
Synonyms:	BICDR-2; BICDR2; CCDC64B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211748 representing NM_001103175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTCTCCAGATGGGCCAGCTTCCGTCGGGCGCTCTCAGGGGCGCCTCTCCAGCGGCGACG
 AGGGCTTCTTCCCTTTGTGCTGGAGCGCGGACTCATTCTGGGAGGGGGCCAGGGCTGAGGAGCC
 CGAGGACCTAGCCTTGCAGCTGCAGCAGAAGGAGAAAGACCTGCTGTTGGCCGCGGAGCTCGGCAAGATG
 CTTCTGGAGCGAAATGAAGAGCTGCGGCGCAGCTGGAGACGCTGAGCGCCAGCACTTGGAGCGTGAGG
 AACGGCTCCAGCAGGAGAACCATGAGCTCCGGCAGGGCTGGCAGCCGAGGAGCCGAGTGGGAGGCCCG
 GGCCGTGGAGCTGGAGGGGACGTGGAGGCCCTGCGGGCCAGCTTGGGAGCAGCGCTCAGAGCAGCAG
 GACAGTGGGCGAGAACGGGCACGGGCCCTCAGCGAGCTCAGCGAGCAGAACCTCCGGCTCAGCCAGCAGC
 TGGCTCAGGCCTCCAGACTGAGCAGGAACCTCAGAGGGAACGGACGCCCTTCGGGACAGTGCAGGC
 TCAGGCACTGGCTGGAGCAGAGCTGAGGACGCGGCTGGAGAGTCTGCAGGGGAAAACAGATGCTGCAG
 AGCCGCCCGCAGGACCTGGAGGCCAGATCCGAGGCCTGCGTGAGGAGGTGGAGAAGGTGAGGGCAGAC
 TGCAGACCACCCACGAGGAGTTGCTGCTGCTGAGGCGGGAGCGCGGGAGCACAGCTGGAGCTGGAACG
 CGCACGGTCAGAGGCTGGGAGGCGCTGAGTGCCTGCGGAGGCTGCAGCGGCGCGTCTCCGAGCTGGAG
 GAGGAGTCACGCCTCCAGGACGCCGACGTGTCGGCTGCCTCGTTGCAGTCAGAACTGGCCACAGCCTCG
 ACGACGGCGACAGGGCCAGGGCGCCGACGCACCCGGAGACACCCGACCCGGTCCCCAAAGACCCG
 AAAGGCGTCCAGCCCCAGCCTTACCCCCGGAAGAGATCTTAGAGCCCCCAAGAAGCGAACATCCCTC
 AGTCCAGCGGAGATACTGGAGGAGAAGGAGGTGGAAGTGGCAAGCTGCAAGATGAGATCTCGCTGCAGC
 AGGCAGAGCTGCAGTCCCTGCGGAAGAGCTGCAGAGGCAGAAGGAGCTCGGGCGCAGGAAGACCTGG
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 CTCAACCGCGTCTCGCTGGAGCGAGACTCCCTGTCTCGGAGCTGCTGCGCGCCATCCGCCAGAAGTGG
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 GCGCCAGAAGGAGCTGAGCGCTCCGCGTCTGCTCGACCCCGCGCGTGCAGCGCCCGCTTCTCGCTG
 CGCTGGGCCCGGGCCCGCGGTGGCTTTCTCAGTAACCTCTTCCGAAGGACC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211748 representing NM_001103175
 Red=Cloning site Green=Tags(s)

MSSPDGPSFSPGPLSGGASPSGDEGFFPFVLERRDSFLGGPGPEEPEDLALQLQKQKDLALLAELGKM
 LLERNEELRRQLETLAQHLEREERLQQENHELRRGLAARGAEWEARAVELEGDVEALRAQLGEQRSEQQ
 DSGRERARALSELSEQLRLSQQLAQASQTEQELQRELDALRGQCQAQALAGAELRTRLESQGENQMLQ
 SRRQDLEAQIRGLREEVEKGEGRQTTHEELLLLRRRERREHSLELERARSEAGEALSALRRLQRRVSELE
 EESRLQDADVSAASLQSELAHSLDDGDQGGADAPGDTPTTRSPKTRKASSPQSPPEEILEPPKKRTSL
 SPAEILEEKEVEVAKLQDEISLQQAELQSLREELQRQKELRAQEDPGEALHSALSDRDEAVNKALELSLQ
 LNRVSLERDLSRELLRAIRQKVALTQELEAWQDDMQVVIQQQLRSQRQKEL SASASSSTPRRAAPRFSL
 RLGPAGGFLSNLFRRT

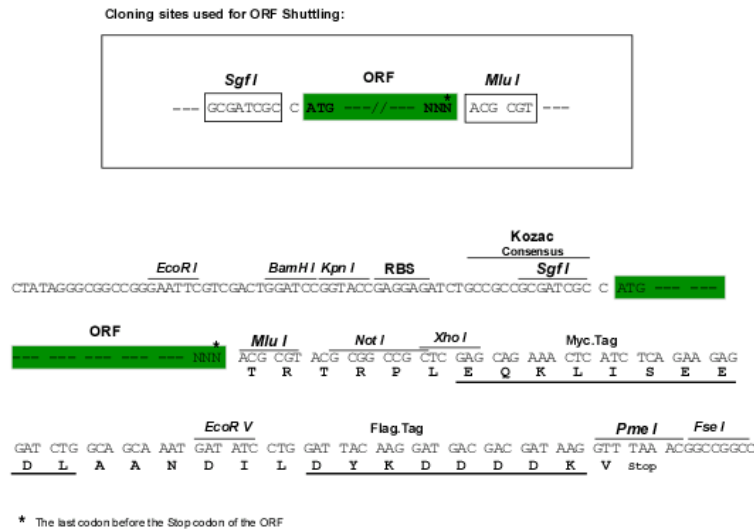
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8100_h06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001103175

ORF Size: 1524 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001103175.2](#)

RefSeq Size: 1811 bp

RefSeq ORF: 1527 bp

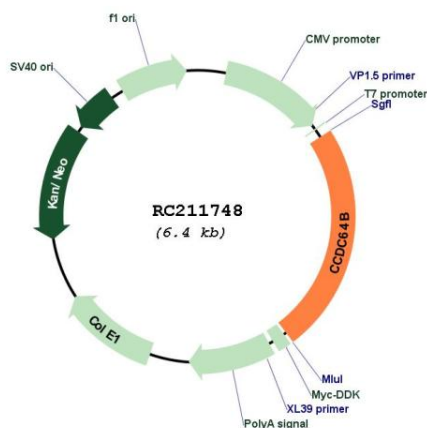
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UniProt ID: A1A5D9

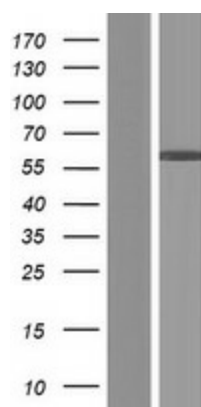
Cytogenetics: 16p13.3

MW: 56.8 kDa

Product images:



Circular map for RC211748



Western blot validation of overexpression lysate (Cat# [LY420201]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211748 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).