

Product datasheet for **RC208165**

CCDC78 (NM_001031737) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC78 (NM_001031737) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC78
Synonyms:	C16orf25; CNM4; hsCCDC78; JFP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208165 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAGCAGCCACCACAGGCCAGGCTGGACCTCCCTCTCGGCGGTGGAGAATGTTGTGCTAC
 GAGCCAAGGACTGGCTGCCAGGAGCTCCTGGGGCACCAGTGTGGGCCACCAGCTTGAAGCAGAGGT
 CCCACCAGATCTAGCGCTCAATAAGGAGCAGCAGCTGCAGATCTCCAAGGAGCTGGTCGACATTCAGATC
 ACAACCCACCACCTACATGAGCAGCATGAGGCTGAAATCTTCCAGCTGAAGAGTGAGATCCTTCGGCTGG
 AGAGCCGGTACTGGAGCTGGAGCTGCGAGGAGATGGCACCAGCCAGGGCTGTGCAGTCCAGTGGAGTC
 TGACCCAGGCATCCCCGGGCAGCAGCCCAAGAGCTCAGACACAAAGCCAGGTGCCTGGACACTCTGAT
 GACCACAGATTCCAGGTGCAGCCCAAGAACACCATGAACCCCGAGAATGAGCAGCACAGGCTGGGGAGCG
 GCCTGCAGGGGAAGTGAAGTGGGCGTGGAGCATCAGGAGGCCCGGCAGCAGGCACTGGTACCGGTGT
 GGCAACCTGGGCGGCAGCTGCAGGGAGCCGAGAGGAGCCAGGCAGCCGGGCAGGCACTGGCCACA
 CAGGCTGTGGTGTGTGCAGCTGCCAAGGCCAGCTCCGTGAGGCAGAGGCTGAAAATGCCCGGCTGCAGC
 TGCAGCTCAAGAACTGAAGGATGAGTACGTCCTACGGCTGCAACTGCGCCCGCAGGCACTGGAGCA
 CGCAGATGGTGCAGGCCAAGCGCCAGCCACCACGGCCCTCCGGACATTCCTGGAGGCGACTCTGGAGGAC
 ATCCGGGCAGCGCACCGCAGCCGTGAGCAGCAGCTGGCCCGGGCTGCCCGCAGCTACCACAAGAGGCTGG
 TGGATCTGAGCCGAGGCATGAAGAGCTACTGGTTGCCTACAGGGCACCTGGGAACCCCCAAGCTATTTT
 TGACATAGCCAGCTTGGACCTGGAACATTGCCCGTCCCCTGGTCACTGACTTCAGCCATCGGGAGGAC
 CAGCACGGCGGGCCTGGGGCACTGCTCTCATCCCCAAAAGAGACCCGGTGGAGCCTCCAGGGGGGAA
 CATCAGAGCCACAGGGCCTGGACGCTGCATCCTGGGCCAGATCCACCAGAAGCTCCGGGACTTCTCCCG
 CAGCACCCAGAGCTGGAACGGGAGCGGGCAGCAGCTGCTGGTCCGGGCCAGGATGGCTGAAGAGCAACTTT
 CTGAGCTACAGGAGTACGTGGACCAGCACCTGGGCAGGTACAAGCACGAAATCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC208165 protein sequence
 Red=Cloning site Green=Tags(s)

MEHAATTGPRPGPPSRRVENNVLRKDWLPGAPGGTAVWATSLEAEVPPDLALNKEQQQLISKELVDIQI
 TTHLHEQHEAEIFQLKSEILRLESRLVLELRDGTSSQCAVPVSDPRHPRAAAQELRHKAVPGHSD
 DHRFQVQPKNTMNPENEQHRLGSLQGEVKWALEHQEARQALVTRVATLGRQLQGAREEARAAGQRLAT
 QAVVLCSCQQLRQAEANARLQLKLLKDEYVLRQLHRCARQAVEHADGAGQAPATTALRTFLEATLED
 IRAAHSREQLARAARSYHKRLVDLRRHEELLVAYRAPGNPQAIFDIASLDLEPLPVPLVTDVSHRED
 QHGGPGALLSSPKKRPGGASQGGTSEPQLDAASWAQIHQKLRDFSRSTQSWNGSGHSCWSGPRWLKSNF
 LSYRSTWTSTWAGTSTKS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6222_h12.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001031737

ORF Size: 1314 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_001031737.1](#), [NP_001026907.1](#)

RefSeq Size: 1611 bp

RefSeq ORF: 1317 bp

Locus ID: 124093

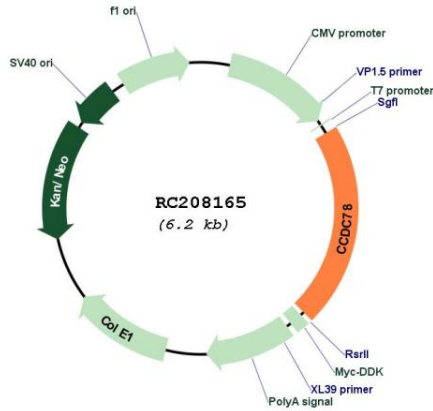
UniProt ID: [A2IDD5](#)

Cytogenetics: 16p13.3

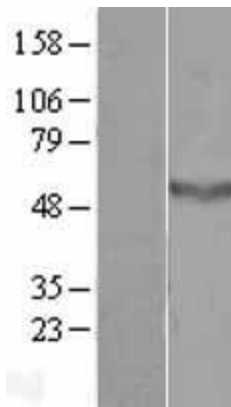
MW: 48.5 kDa

Gene Summary: The product of this gene contains two coiled-coil domains. The function of this gene is currently unknown. [provided by RefSeq, Sep 2012]

Product images:



Circular map for RC208165



Western blot validation of overexpression lysate (Cat# [LY422182]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208165 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC78 protein (Cat# [TP308165]). The protein was produced from HEK293T cells transfected with CCDC78 cDNA clone (Cat# RC208165) using MegaTran 2.0 (Cat# [TT210002]).