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Product datasheet for RC205417

CCDC7 (NM_145023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC7 (NM_145023) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC7
Synonyms:	BIOT2; BioT2-A; BioT2-B; BioT2-C; C10orf68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC205417 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCAGTAAAGCATCTGTTGACCACCAGTAACAAATCGGCAAATGTTCCAGCATTAACTACTAAAA
AAGGACTACATAATTTACCATTATCACCTGAGCTAAAGGAAAAACATAATGCAAAATTAATTCATGATAA
AATTGAACCAATGGTCCTAAGATCTCCACCAACAGGAGAATCCATTTTACGGTATGCTTTGCCCATTCCA
TCGAGTAAGACAAAGAACTTACTACCAGAAGATGAAATGATCGGAAAAATTATCAAACATCTGAAGATGG
TTGTTTCCACTTTGGAAGAAACCTATGGACATTGCGATCAGAATGGAGAAGAACCATTTGTAAAGCATGA
ACATGAAGAATTATCTTTATCTGTTGGGGATGATATGAATTCATTCTTGACATATTGTTCGCAATTTGCA
GCTCAGCTAGAAGAAGCACTTAAAGAAGAACAAAATATTTTGGAATCTCTTTTTAAGTGGTTTCAGTGGC
AGGTCAATCAGATGGAAGAAATAAGTAAAGATCAAACTCTTTTACAAGCAGAGCCTCCAAAACCTGACAA
AACAGTCATTTTAAATATTGCAGAAATAGTAAGGCTTGTACAAAGATTTGAAGAACTGAAGAATCGCCTT
AAACAGAGGTCTAAATCCTCCGTGAAAGTCATGTTGTCTAAAACTATGGATAAAGAAAATCGACCAGAAG
CAGTGAAAAGTTGTGAAGCTCTGGCACAGAAAATTGAAGAATTCTTAGAAGCCCACTCAACTGATGAATT
TAAAGATGTTTCTGCAACAGAACCACAAACTGCTCATTCAATGACTAATCGATTTAATGCCATGTTGAAA
GTATTTGAAAACCAGGCAAATATGTTGGAGAGAGCTGTAAATGATCAAGTTTTGTTAGATGCTGAATACA
AACAGATGCAGTGTGATTTTCAGTTGTTATCAGAAGAGAAGTTGGTGCTGGAAAATGAACTACAAAAGTT
GAAGGACAAAGAGAAAACTAAGCCTACAAATAATCGAACAAAGAAAGCTGTGAAAACAGTGAAGAAAAAA
GACAAAGGAAAATCTGAGGATTCAGAAAAGAAGATGTCTCCAGAAAAAGAGTTTAAAATAAAAGAAGATT
TGGATCAAGTACAGAAAGTAGCACGTCTGGAAATTGAGAACAAAGTCCTTCAGGAGCAATTGAAACAGGC
TTTACAGGAAGCTGAAAAAGCTAAGCATCAACTTAACTATTTCCTAAATCAAGAGAAGTTACTTAAAAGT
GAGGGGAAAACTGAGACAACAATGCAAGTGGGTAATAGTCAAACAAAAGTTAAAGGTGAAGATTCAAAAA
ATATACCATTGGAGAAAGAAACAAGAAAATCACTGGTTTCAGATTCAGGTGGACAAAGGACAAGTGATAA
AATCCAAGAATATCCACAGATCACTGCCCAAAGCGGAAGACTGATTGAAAAGAGATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205417 protein sequence
Red=Cloning site Green=Tags(s)

MKPVKHLLTTSNKSANVPALTTKKGLHNLPLSPELKEKHNAKLIHDKIEPMVLRSPPTGESILRYALPIP
SSKTKNLLPEDEMIGKIIKHLKMVVSTLEETYGHCDQNGEEPFVKHEHEELSLSVGDDMNSFLTYCSQFA
AQLEEALKEEQNILESLFKWFQWQVNQMEEISKDQTLLQAEPPKPDKTVILNIAEIVRLVQRFEELKNRL
KQRSKSSVKVMLSKTMDKENRPEAVKSCEALAQKIEEFLEAHSTDEFKDVSATEPQTAHSMTNRFNAMLK
VFENQANMLERAVNDQVLLDAEYKQMQCDFQLLSEEKLVLENELQKLKDKEKTKPTNNRTKKAVKTVKKK
DKGKSEDSEKKMSPEKEFKIKEDLDQVQKVARLEIENKVLQEQLKQALQEAEKAKHQLNYFLNQEKLLKS
EGKTETTMQVGNSQTKVKGEDSKNIPLEKETRKSLVSDSGGQRTSDKIQEYPQITAQSGRLIEKRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314_c05.zip

Restriction Sites: SgfI-MluI

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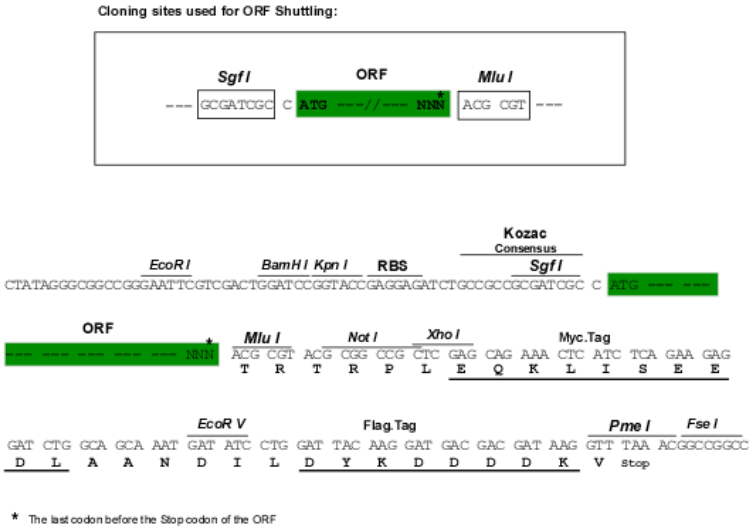
Cloning Scheme:



ACCN: NM_145023

ORF Size: 1458 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_145023.6

RefSeq Size: 2204 bp

RefSeq ORF: 1461 bp

Locus ID: 79741

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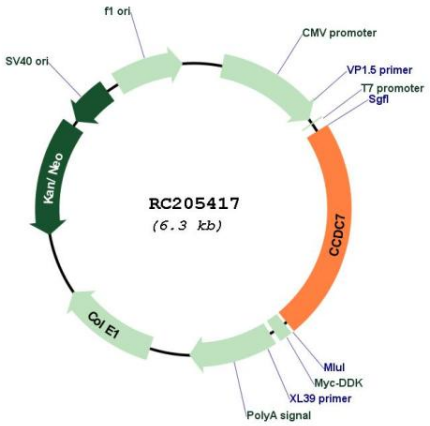
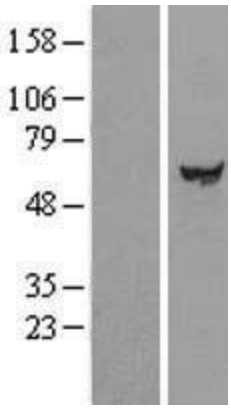
UniProt ID:	Q96M83
Cytogenetics:	10p11.22
MW:	55.8 kDa
Gene Summary:	May play a role in tumorigenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205417



Western blot validation of overexpression lysate (Cat# [LY408084]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205417 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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