

Product datasheet for **RG205417**

CCDC7 (NM_145023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC7 (NM_145023) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC7
Synonyms:	BIOT2; BioT2-A; BioT2-B; BioT2-C; C10orf68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205417 representing NM_145023
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACCAGTAAAGCATCTGTTGACCACCAGTAAACAAATCGGCAAAATGTTCCAGCATTAACTACTAAAA
 AAGGACTACATAATTTACCATTACACCTGAGCTAAAGGAAAAACATAATGCAAAATTAATTCATGATAA
 AATTGAACCAATGGTCCCTAAGATCTCCACCAACAGGAGAATCCATTTTACGGTATGCTTTGCCATTCCA
 TCGAGTAAAGACAAAGAACTTACTACCAGAAGATGAAATGATCGGAAAAATATCAAACATCTGAAGATGG
 TTGTTTCCACTTTGGAAGAACTTATGGACATTGCGATCAGAATGGAGAAGAACCATTTGTAAGCATGA
 ACATGAAGAATTATCTTTATCTGTTGGGGATGATATGAATTCATTCTTGACATATTGTTCCGAATTTGCA
 GCTCAGCTAGAAGAAGCACTTAAAGAAGAACAAAATATTTGGAATCTCTTTTAAAGTGGTTTCAGTGCC
 AGGTCAATCAGATGGAAGAAATAAGTAAAGATCAAACCTTTTACAAGCAGAGCCTCCAAAACCTGACAA
 AACAGTCATTTTAAATATTGCAGAAATAGTAAGGCTTGTACAAAGATTTGAAGAAGTGAAGAATCGCCTT
 AACAGAGGTCTAAATCCTCCGTGAAAGTCATGTTGTCTAAAACCTATGGATAAAGAAAAATCGACCAGAAG
 CAGTGAAGGTTGTGAAGCTCTGGCACAGAAAAATTGAAGAATTCTTAGAAGCCCACTCAACTGATGAATT
 TAAAGATGTTTCTGCAACAGAACCACAAAACCTGCTCATTCAATGACTAATCGATTTAATGCCATGTTGAAA
 GTATTTGAAAACAGGCAAAATATGTTGGAGAGCTGTAATGATCAAGTTTTGTTAGATGCTGAATACA
 AACAGATGCAGTGTGATTTTCAGTTGTTATCAGAAGAGAAGTTGGTGTGGAAAAATGAACTACAAAAAT
 GAAGGACAAAGAGAAAACCTAAGCCTACAAAATATCGAACAAAGAAAGCTGTGAAAACAGTGAAGAAAAA
 GACAAAGGAAAATCTGAGGATTCAGAAAAGAAGATGCTCCAGAAAAGAGTTTAAAAATAAAGAAGATT
 TGGATCAAGTACAGAAAGTAGCACGCTTGAAAATTGAGAACAAAGTCTTCAGGAGCAATTGAAACAGGC
 TTTACAGGAAGCTGAAAAGCTAAGCATCAACTTAACTATTTTCTAAATCAAGAGAAGTTACTTAAAGT
 GAGGGGAAAACCTGAGACAACAATGCAAGTGGGTAAATAGTCAAACAAAAGTTAAAGGTGAAGATTCAAAA
 ATATACCATTGGAGAAAGAAACAAGAAAATCACTGGTTTCAGATTCAGGTGGACAAAGGACAAGTGATAA
 AATCCAAGAATATCCACAGATCACTGCCAAAAGCGGAAGACTGATTGAAAAGAGATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205417 representing NM_145023
 Red=Cloning site Green=Tags(s)

MKPVKHLTTSNKSANVPALTTKKGLHNLPLSPELKEKHNAKLIHDKIEPMVLRSPPTGESILRYALPIP
 SSKTKNLLPEDEMIGKIIKHLKVVSTLEETYGHCDQNGEPPVKHEHEELSLVGDMDNSFLTYCSQFA
 AQLLEEALKEEQNILESLFKWFQWQVQNMEEISKDQTLQAEPPKPKDKTVILNIAEIVRLVQRFEELKNRL
 KQRSKSSVKVMLSKTMDKENRPEAVKSCEALAQKIEEFLEAHSTDEFKDVSAEPQTAHSMNRFNAMLK
 VFENQANMLERAVNDQVLLDAEYKQMQCDFQLLSEEKLVLENELQKLKDKKTKPTNNRRTKAVKTVKKK
 DKGKSEDSKMSPEKEFKIKEDLDQVQKVARLEIENKVLQEQLKQALQEAEKAKHQLNYFLNQEKLLKS
 EGKTETTMQVGNISQTKVKGEDSKNIPLEKETRKSLSVSDSGGQRTSDKIQEYYPQITAQSGRLIEKRC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

RefSeq: [NM_145023.6](#)

RefSeq Size: 2173 bp

RefSeq ORF: 1461 bp

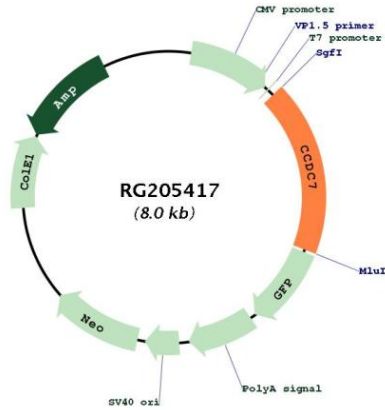
Locus ID: 79741

UniProt ID: [Q96M83](#)

Cytogenetics: 10p11.22

Gene Summary: May play a role in tumorigenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205417