

Product datasheet for **MR221328**

Ccdc7a (NM_029061) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ccdc7a
Synonyms:	4930517G15Rik; 4930540C21Rik; Biot2; Ccdc7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR221328 representing NM_029061
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGTCAAAGCATCCATCAACCATTAGTATGAAATTGACAAGTGTTCCAGAATTACCTTATAAGA
AAGGCTTACTGAATTCATCACCTAAGCCAAAAGAAAAACATAATGCCAAGTCAAAGTATGGTAAAAATGA
ATCAATGGTCCTGAGGTCGCCACCCACAGGAGAGTCAATTGTACGCTTTGCCTTGCCAATACCATTGAGT
AAAACGAAGGACAAAATATCAGCTGATGAAATGGTCAGGAGGATTACCACAAATCTGAAGATGGTTGTTT
CTAACTTGAAGACACCTATGGAGCTTGCTATGATAATGGAGAAAAGCAGCAGAAAAAGTGAAGCAGA
AGGCTTGCTCTATTGGTGATGATGTGAGTTCGTTCTTGTGTGCTGTTCACAATTTACATCTCAGCTGGAA
GAAGCAGTTAAGGAAGAATGTGGCGCTTTGGAGTCTCTTTACAAGTGGTTTCAGCAACAAGTCAACCAAA
TGGAGGAGATTAGCAAGGACCAAAGTAATTTAGAAGAACTTCAATCAGATGGTAAACGGCCAGTTTGAA
CATTGTACAAATTGCAAACTGGCAGCTAAATTCGAAGATTTTAAAGTCGCCTAAAAACGCGCAAGGAG
GTCATGCAGACTAAAAATGAGGATAAAGAGATAATGGCAGAAACATTGAAACATTATGGACTTATGGAAA
AGCAGATTGAAGAGTTTCAATACATCCCATTCAGCTTTAGAATCTCAAACTGAAAGTCAAGTCAGG
AACTCCTTCAGTGACTACTCGGATGGCCAGGATGATAAAAAATTTGAAAATCAGTCAACTATGTTAGAG
AAAGCTTTAAATGATCAGCAAAACAAATTGAGTCTAAATATAAACAGTTGGAAACTGATTTTCAAATGTTAA
TAATGGAGAAAACCTGCTGGAAGCAGAAATACGAAGGCTGAGAGAAATAGAGAGAGTAAAGTCTGCAGC
CAAAGAAGAGCAAAACGAAGAACTGGAAAATCAGAAAAGAAAAATTTAAAGAGAAGGAAAAGTACGAC
ATGAAGATATGTTATCTTTTATTCTCAACTTGTAATAATGTACCTTAATCACGGTTTATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR221328 representing NM_029061

Red=Cloning site Green=Tags(s)

MKCAKHPSTISMKLTSVPELPYKKGLLNSSPKPEKHNAKSKYGKNESMVLRSPTGESIVRFALPIPLS
KTKDKISADEMVRRIITNLKMVVSNLEDYTGACYDNGEKAAEKSEAEGLSIGDDVSSFLCCSQFTSQLE
EAVKEECGALESLYKWFQQQVNQMEESKDQSNLEELQSDGKTASLNIVQIAKLARKFEDFKSRLKTRKE
VMQTKNEDKEIMAETLKHYGLMEKQIEEFITSHSALESQTETESQSGTPSVTTRMARMIKIFENQSTMLE
KALNDQQTIESKYKQLETDFQMLIMEKTLLEAEIRRLREIERVKSAAKEEQTKKSGKSEKKKFKEKEKYD
MKICYLFIPQLVKMYLNHGLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

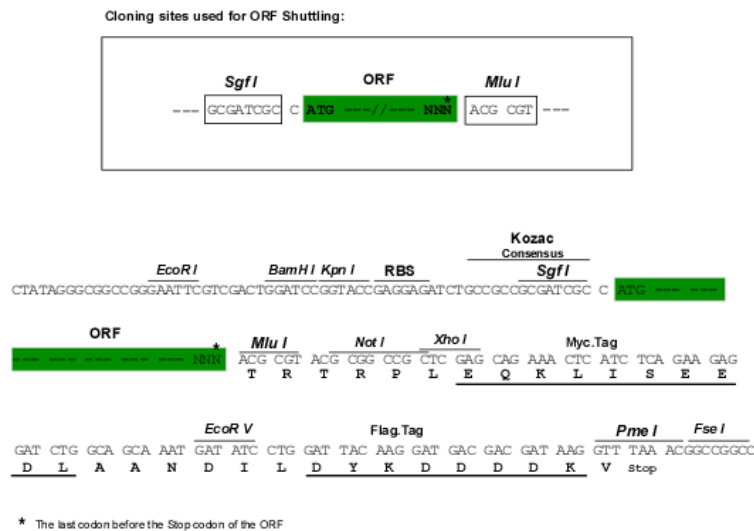
Chromatograms:

https://cdn.origene.com/chromatograms/mm9079_e01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_029061

ORF Size:

1113 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:

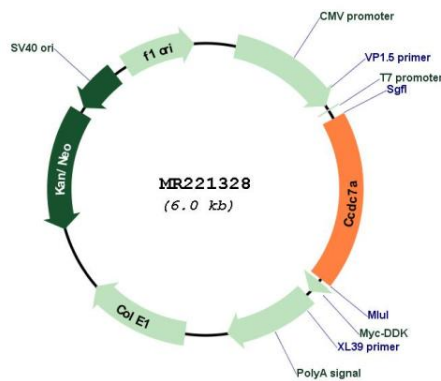
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_029061.3</u> , <u>NP_083337.1</u>
RefSeq Size:	1522 bp
RefSeq ORF:	1116 bp
Locus ID:	74703
UniProt ID:	<u>Q9D541</u>
Cytogenetics:	8 E2
MW:	42.5 kDa
Gene Summary:	May play a role in tumorigenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221328