

Product datasheet for **RC211103**

CCDC28A (NM_015439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC28A (NM_015439) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC28A
Synonyms:	C6orf80; CCRL1AP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211103 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCGAGGGCGGAGCCAAGAGCGACACTGGGGGAGCAGGAAAAGCGGGGCTTCCGCTTGGGCGATGGA
 GGCTGTACCTCTTACGTCACTTCCGTAACAAACGGAGCTGCGGAGGAGCGGGTCCCGGATGTGACCGG
 GGCTCTGCTTGTGGCTGCGGCGGTGGCTTCTGAGGCTGTCGGGTCTTTCGGGTTCGGAAGGGGGCCCC
 AATACCTTCTTCTTCAGGTCTTAAGAAGCTGGCCGTGGTCAATAAGGAACTTAAACAATGGAAGAGC
 GGAAGTGAAGAGGAGGAGTCTAAGTCTTTAGTGCCCACTGTACTCAGGTTGTCAATGCCAAAAAAA
 TGCCATTCAGTGAGTAAAGCACAGGGTTTTCAAATCCTGCATCACAGTCAACTTCACAGCGACCAAAG
 TAAAAAGAGTGATGAAAGAAAAGACCAAACTCAGGGTGGAGAGGGCAAAGGCGCTCAGTCAACTCCGA
 TCCAGCACTCCTTCCTCACTGATGTCTCAGATGTTCAAGAGATGGAGAGAGGGCTGCTCAGTCTTTTGA
 TGATTTCCACTCTGAAAACTTCAAGCATTTGGAATGAATGTTCCATTGAACAGATGGAACATGTTTCGG
 GGAATGCAGGAGAAATTAGCTCGCTTGAATTTGGAGCTCTATGGGAGTTAGAGGAATTCCTGAGGATA
 AGAGAAAAACAGCCAGTGACTCCAATCTGGATAGGCTTCTGTGAGATTAGAAGAATTGAATCTTCCAT
 AAAAAACTCCATTTGGCAGATGCACAAGATGTTCCAAATACTTCTGCTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC211103 protein sequence
 Red=Cloning site Green=Tags(s)

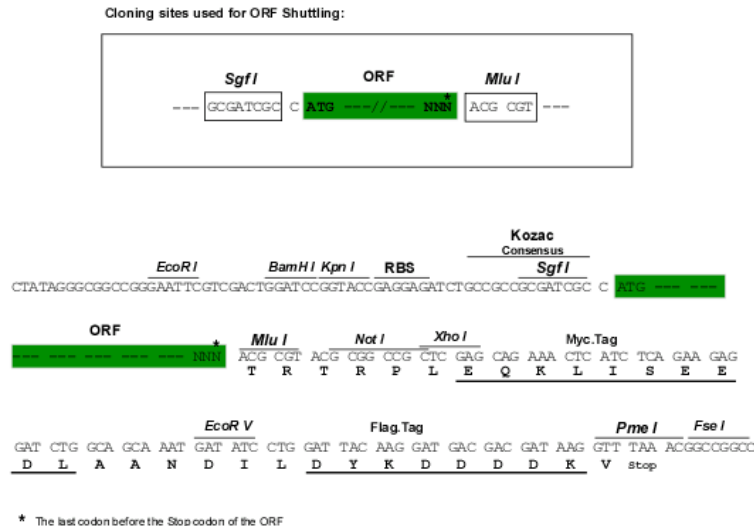
MPRAEPRATLGEQEKAGLPLGAWRLYLLRHFRKQTELRRSGSRDVTGALLVAAAVASEAVGSLRVAEGGP
 NTLLLQVLRSWPWCNKELKTMEERKVKRRSPKSFSAHCTQVNAKNAIPVSKSTGFSNPASQSTSQRPK
 LKRVMEKTKPQGGEGKAQSTPIQHSFLTVDSDVQEMERGLLSLLNDFHSGKLQAFGNECSIEQMEHVR
 GMQEKLARLNLELYGELEELPEDKRKTASDSNLDRLSDLEELNSSIQKLHLADAQDVPNTSAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6378_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015439

ORF Size: 822 bp

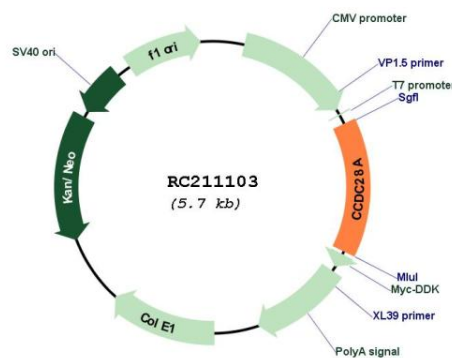
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

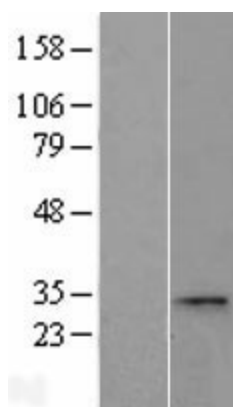
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_015439.2</u> , <u>NP_056254.1</u>
RefSeq Size:	1504 bp
RefSeq ORF:	555 bp
Locus ID:	25901
UniProt ID:	<u>Q8IWP9</u>
Cytogenetics:	6q24.1
Protein Families:	Druggable Genome
MW:	30.4 kDa
Gene Summary:	This gene encodes a coiled-coil domain containing protein. Although the specific function of this gene has not yet been determined, this gene is a known translocation partner of nucleoporin 98 in acute leukemias. The resulting fusion gene produces a nucleoporin 98-coiled-coil domain-containing protein 28A chimeric protein which may be involved in promoting myeloproliferative neoplasms. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RC211103



Western blot validation of overexpression lysate (Cat# [LY414539]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211103 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).