

Product datasheet for **RG211103**

CCDC28A (NM_015439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC28A (NM_015439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC28A
Synonyms:	C6orf80; CCRL1AP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211103 representing NM_015439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGAGGGCGGAGCCAAGAGCGACACTGGGGGAGCAGGAAAAGCGGGGCTTCCGCTTGGGGCATGGA
GGCTGTACCTCTTACGTCACTTCCGTAACAAACGGAGCTGCGGAGGAGCGGGTCCCGGGATGTGACCGG
GGCTCTGCTTGTGGCTGCGGCGGTGGCTTCTGAGGCTGTCGGGTCTTTCGGGTGCGGAAGGGGGCCCC
AATACCCTTCTTCTCAGGTCTTAAGAAGCTGGCCGTGGTCAATAAGGAACTTAAACAATGGAAGAGC
GGAAGTGAAGAGGAGGAGTCTTAAGTCTTTAGTGCCCACTGTACTCAGTTGTCAATGCCAAAAAAA
TGCCATTCCAGTGAGTAAAGCACAGGGTTTTCAAATCCTGCATCACAGTCAACTTCACAGCGACCAAAG
TAAAAAGAGTGATGAAAGAAAAGACCAACCTCAGGGTGAGAGGGCAAAGGCGCTCAGTCAACTCCGA
TCCAGCACTCCTCCTCACTGATGTCTCAGATGTTCAGGAGATGGAGAGAGGGCTGCTCAGTCTTTTGA
TGATTTCCACTCTGAAAACTTCAAGCATTTGGAATGAATGTTCCATTGAACAGATGGAACATGTTTCG
GGAATGCAGGAGAAATTAGCTCGCTTGAATTTGGAGCTCTATGGGAGTTAGAGGAATTCCTGAGGATA
AGAGAAAAACAGCCAGTGACTCCAATCTGGATAGGCTTCTGTCAATTTAGAAGAATTGAATCTTCCAT
ACAAAACTCCATTTGGCAGATGCACAAGATGTTCCAAATACTTCTGCTAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211103 representing NM_015439
 Red=Cloning site Green=Tags(s)

MPRAEPRATLGEQEKAGLPLGAWRLYLLRHFRKQTELRRSGSRDVTGALLVAAAVASEAVGSLRVAEGGP
 NTLLLQVLRSWPWCNKELKTMEERKVKRRSPKSFSAHCTQVVNAKKNAIPVSKSTGFSNPASQSTSQRPK
 LKRYMKEKTKPQGGEGKAQSTPIQHSFLTVDSDVQEMERGLLSLLNDFHSGKLQAFGNECSIEQMEHVR
 GMQEKLARLNLELYGELEELPEDKRKTASDSNLDRLSDLEELNSSIQKLHLADAQDVPNTSAS

TRTRPLE – GFP Tag – V

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: [NM_015439.2](#), [NP_056254.1](#)

RefSeq Size: 1504 bp

RefSeq ORF: 555 bp

Locus ID: 25901

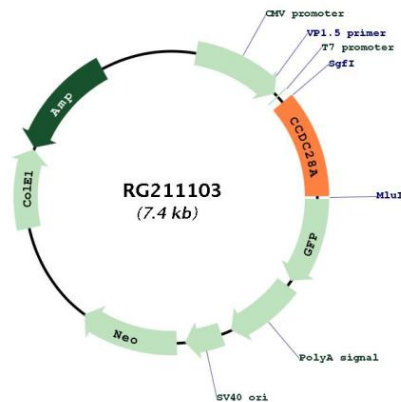
UniProt ID: [Q8IWP9](#)

Cytogenetics: 6q24.1

Protein Families: Druggable Genome

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 RG211103