

Product datasheet for **RC221631**

C2CD2 (NM_199050) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2CD2 (NM_199050) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2CD2
Synonyms:	C21orf25; C21orf258; TMEM24L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221631 representing NM_199050
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGCTCTCCCCTTTCCATTTACAGCTGGAGTTCACATGAAGGAGAAGAGAGAGACCTCCAGATTA
 GCTGGTCTTTCATCAGTGTGCCGAAATGGCCGTTAATATCCAGCCCAAAGCACTGGGGGAGGACCAGGT
 GGCTGAGACAAGTGCATGTCTGACGTTCTCAAGGACATCTTGAAGCATTGGCTGGTTCTGCCTCTCCA
 TCAGTGGTTCTGATTACCAAGCCACGACTGTAAGGAAGCTCAGAACTTACAGTGTGCTGCATCTACTG
 CTCAGGAATCCTGTCTCCTAAACCTCCAAGGGCTCACGAGCTGAAGCTACTGGTGGAGAACATCCACGT
 CTTGCTGCTCAGCGAGCCCGGTGCCTCAGGCCACATTAATGCAGTGTGCGTCGTGCAGGTGAACGATCCT
 GTTCAGAGTTTCCAGCACCTGACGAAAAACTCCGGACCTCATGTGGGAAGAGGAATTCACCTTCG
 AGTTGAATGCCAAGTGAAGGAGTTACACCTGCAGATTTAGAGGCTGGGCGATCCTCAGAAGGTCTGCT
 GGGCAGCGGACAGTTTCTCTGGACTTATTTAAGAAGCAGCCTTCTGGCCACAGAGCTTACGCTGACC
 AGCGGGTCTGCCTGCGGAGCTCGGTGCTGGGCTCGGTACGGCAGAGTTCTTTACATGGAACCTGGTG
 AATTGAAATCCTGGCCATCCCTCCCTGTTCTGCTGCAAAAATAGAAAAGGACCCGACGGTGATGCC
 CTGTGGGACTGTGGTCACTACTGTCACTGCTGTGAAGACCAAGCCTCGCGTCGACGTGGGGAGGGCATCC
 CCGCTGAGCTCTGATTCTCCGGTGAAGACTCCCATCAAGGTGAAGGTGATCGAGAAGGACATCTCTGTCC
 AGGCCATCGCCTGCCGACGCGCCCGTCAGCAAAACACTCTCTTCTTACAGACACAGAATTGTTGGTGT
 GAATGGTTCGGATCCAGTGGCTGAAGTGGCCATTCGACAGCTCAGTGAATCTTCAAAGCTGAACTCAAG
 TCGCCACGGAAGAAAAGCACTATTATCATATCAGGGATCTCCAAGACCTCACTATCTCAGGACCAGCAGC
 CTGCCCTGATGCAGGGCTACACGGCTCTGTGGACAGCACCCACCAGGAGGACGCCCATCCCATCCGGA
 GAGGGCGGCAGCCTCTGCCCGCCAGAGGAAGCCGAGTCAGCCAGGCATCCCTTGCCCCAAGCCCCAG
 GAGGACGAGCTAGACTCCTGGGACTTGGAGAAGGAGCCACAGGCCGCGGCATGGAGCAGCCAGGTCTGCTG
 TGGACCCGACGGTGATGAGCTGTGAGAGCTCCATGAGTGTCTTGGAGCCGGGACTGCCAAAAAGCA
 TAAAGGAGGAATTCTAAGGAAAGGTGCAAAGCTGTTCTTCCGCCGGCGGCATCAACAGAAAGACCCAGGC
 ATGAGTCAGTCACACAATGACCTTGTGTTCTGGAGCAGCCAGAGGGTCCCGGAGGAAAGGCATCACCC
 TCACCAGGATCTGAACAAGAAGCTGCTCTCCAGGCACAGAAACAAGAACCATGAACGGTGCCCCCGT
 GGAGCCCTGCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221631 representing NM_199050
 Red=Cloning site Green=Tags(s)

MRLSPFHLQLEFHMKEKREDLQISWSFISVPEMAVNIQPKALGEDQVAETSAMSDVLKDILKHLGASASP
 SVVLITKPTTVKEAQNLCQAASTAQESCPPKPPRAHELKLLVRNIHVLLLSEPGASGHINAVCVVQVNDP
 VQRFSSLTKNTPDLMWEEEFTEFELNAKSKELHLQISEAGRSSEGLLATATVPLDLFKKQPSGPQSFTLT
 SGSACGSSVLGSVTAEFSYMPEGELKSWIPPPVPAKIEKDRVTMPCGTVVTTVTAVTKPRVDVGRAS
 PLSSDSPVKTPIKVKVIEKDISVQAIACRSAPVSKTSSSDELLVLNGSDPVAEVAIRQLSESSKLLK
 SPRKKSTIIISGISKTSLSQDHDAALMQGYTASVDSTHQEDAPSHPERAAAASAPPEEAESAQASLAPKPQ
 EDELDSWDLEKEPQAAWSSQVLLDPDDELSESSMSVLEPGTAKKHKGGILRKGAKLFFRRRHQQKDPG
 MSQSHNDLVFLEQPEGSRKGITLTRILNKKLLSRHRNKNTMNGAPVEPCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3570_d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_199050

ORF Size: 1623 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

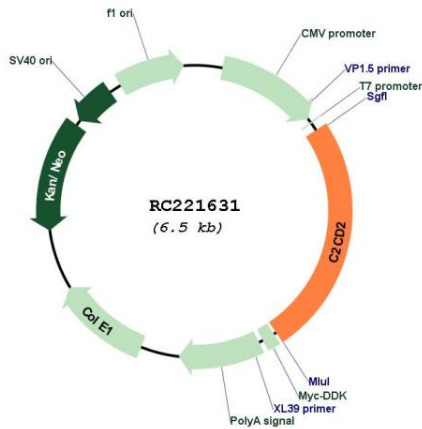
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_199050.3](#)

RefSeq Size: 5827 bp
 RefSeq ORF: 1626 bp
 Locus ID: 25966
 UniProt ID: [Q9Y426](#)
 Cytogenetics: 21q22.3
 Protein Families: Transmembrane
 MW: 58.4 kDa

Product images:



Circular map for RC221631