

## Product datasheet for RC220925

### C2CD3 (NM\_015531) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C2CD3 (NM_015531) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2CD3
Synonyms:	OFD14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220925 representing NM_015531 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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**Protein Sequence:**

>RC220925 representing NM\_015531  
 Red=Cloning site Green=Tags(s)

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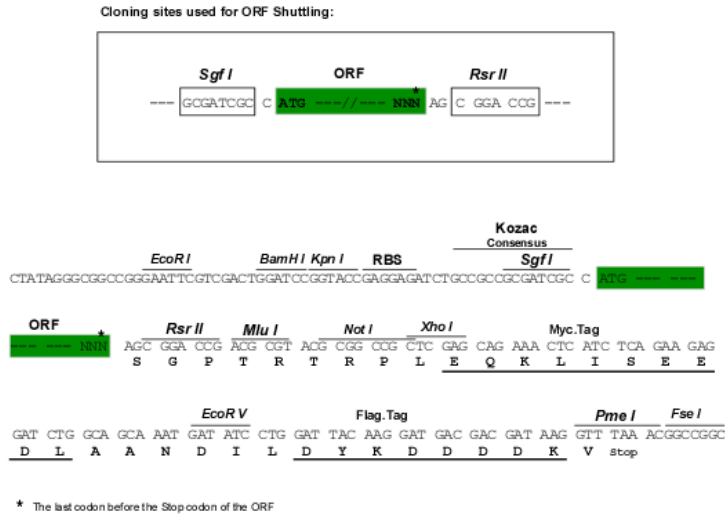
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**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8041\\_f08.zip](https://cdn.origene.com/chromatograms/mk8041_f08.zip)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM\_015531

ORF Size: 5889 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\\_015531.2](#), [NP\\_056346.2](#)

RefSeq Size: 6036 bp

RefSeq ORF: 5892 bp

Locus ID: 26005

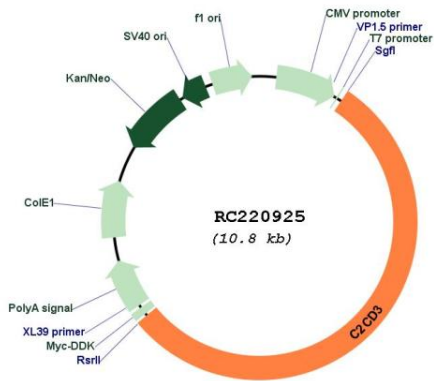
UniProt ID: [Q4AC94](#)

Cytogenetics: 11q13.4

MW: 217.9 kDa

**Gene Summary:** This gene encodes a protein that functions as a regulator of centriole elongation. Studies of the orthologous mouse protein show that it promotes centriolar distal appendage assembly and is also required for the recruitment of other ciliogenic proteins, including intraflagellar transport proteins. Mutations in this gene cause orofacioidigital syndrome XIV (OFD14), a ciliopathy resulting in malformations of the oral cavity, face and digits. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]

**Product images:**



Circular map for RC220925