

Product datasheet for **RG240244**

C2CD3 (NM_001286577) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2CD3 (NM_001286577) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2CD3
Synonyms:	OFD14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240244 representing NM_001286577. Blue=ORF Red=Cloning site Green=Tag(s)

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Protein Sequence: >Peptide sequence encoded by RG240244
 Blue=ORF Red=Cloning site Green=Tag(s)

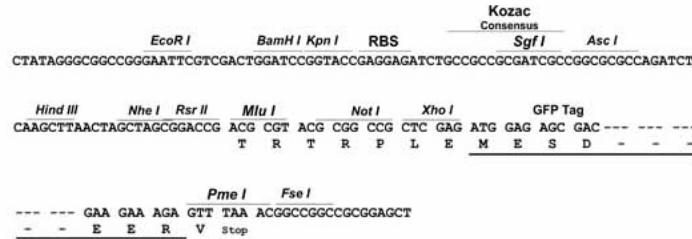
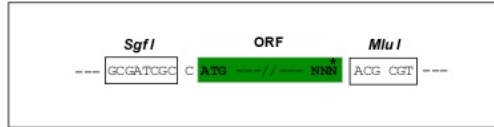
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_001286577

ORF Size: 7059 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).

RefSeq: [NM_001286577.2](#)
RefSeq Size: 7960 bp

RefSeq ORF: 7062 bp

Locus ID: 26005

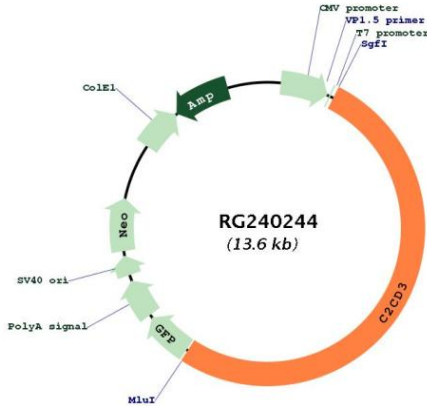
UniProt ID: [Q4AC94](#)
Cytogenetics: 11q13.4

MW: 260.8 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 RG240244