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Product datasheet for SC304325

C2CD3 (NM_015531) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2CD3 (NM_015531) Human Untagged Clone
Tag:	Tag Free
Symbol:	C2CD3
Synonyms:	OFD14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC304325 representing NM_015531.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAACAACGAAAAGGCCAAGGGTCTGGGGGCAGCCGTGGGCGCAAAAAAAGAGGTTTAAGTGACATT
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GCCAGATCATCTAAGGTTCTGGAGTCAAGTGATCATAAGCTGAAGAAGAGGTCAGCAGGCAAGAGAAAT

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AGAAATTTGGTTGAACAACAGATGCTCTCAGAAACTCCAGAAGATGCCCAAACGATGACACTAAGTGTG
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CCCCTCAGCCCTCAGACTCAAACGGCCATCTCACAGCACCAGGAGAGCTGTAGGGACCATCTTGGGCCA
GGTGCCAGCAGCCTAGACCCTGGGAGCCAGTGTATCCTGGAGAAATCCAGTAACCTGGTGTTGCAAGTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_015531
Insert Size:	5892 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015531.5
RefSeq Size:	6285 bp
RefSeq ORF:	5892 bp
Locus ID:	26005
UniProt ID:	Q4AC94
Cytogenetics:	11q13.4
MW:	218.1 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 orofaciodigital 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]
Transcript Variant: This variant (2) lacks multiple 3' exons and contains an alternate 3' terminal exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.