

Product datasheet for **SC318180**

CCDC41 (CEP83) (NM_016122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC41 (CEP83) (NM_016122) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC41
Synonyms:	CCDC41; NPHP18; NY-REN-58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC318180 representing NM_016122.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTGTCAGCACATTTACCGATATGGACACTTTTCCAATAATTTTCTCTGCTGGAGACAGTGGA
TTGACAGGTTCTCAGTCGGAGTTCCAGAAAATGTTAATTGATGAAAGGTTACGATGTGAGCATCATAAA
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GGAGAATTAGTAGAGAAAATAAGATTTAGAAGAAATGAACTGCAGATATTAATCCACAAAAATTG
GAATTGCTAAGAGCCCAAATACAACAAGAATTAGAACTCCAATGAGAGAACGTTTTAGGAATCTAGAT
GAAGAGGTAGAAAAGTATAGAGCTGTATATAAAGCTTCGCTATGAACATACATTTCTCAAGTCAGAA
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CGGCAGTTGGCTGAGATGCAGGCTACAGTCAGATCCCTGGAGGCTGAAAAACAATCAGCTAATTTACGG
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AATCAGGTCTTAAATAGACAAAATGTTCCCTTTGAAGACTATACAAGGCTTCAAAAAGACTAAAAGAT
ATACAGAGAAGACATAATGAATTCGAAGTCTAATTTTGGTTCTAACATGCCTCCAACAGCATCTATC
AATCCTGTTAGCTTTAGTCATCAGCCATGGTTCCAAGCATGGAATACCATTTCTCTCATATGCAG
GAGGAACAACATCAAAGGGAACCTCTCTACTTCGCAAAAGACTAGAAGAACTGGAACAACACAAAAG
AAACAACCTAGAGGAACCTGGATCTTCCGGAGAA TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:

Sgfl-MluI

ACCN:

NM_016122

Insert Size:

2106 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:	<u>NM_016122.2</u>
RefSeq Size:	3235 bp
RefSeq ORF:	2106 bp
Locus ID:	51134
UniProt ID:	<u>Q9Y592</u>
Cytogenetics:	12q22
Domains:	M
MW:	82.9 kDa
Gene Summary:	The protein encoded by this gene is a centriolar protein involved in primary cilium assembly. Defects in this gene have been associated with infantile nephronophthisis and intellectual disability. [provided by RefSeq, Oct 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1, 2, and 3 all encode the same isoform (a).