

Product datasheet for **SC114466**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114466 sequence for NM_016122 edited (data generated by NextGen Sequencing)

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ATGGTTGTCAGCACATTTACCGATATGGACACTTTTCCAATAATTTTCCTCCTGGTGA
GACAGTGGATTGACAGGTTCTCAGTCGGAGTTCAGAAAAATGTTAATTGATGAAAGGTTA
CGATGTGAGCATCATAAAGCTAATTATCAGACACTGAAGGCTGAACACACAAGGTTGCAG
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CAGGAAAAAAGTTCAGCTCCTGCTTGAAGAACTAAGAGGAGAATTAGTAGAGAAAACTAAA
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CAAATACAACAAGAATTAGAACTCCAATGAGAGAACGTTTTAGGAATCTAGATGAAGAG
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ACAGCATCTATCAATCCTGTAGCTTTCAGTCATCAGCCATGGTTCCAAGCATGGAACATA
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AGACTAGAAGAACTGGAACAACACAAAGAAAACAACCTAGAGGAACCTGGATCTTCCGGA
GAATGA

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Clone variation with respect to NM_016122.2
837 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016122 unedited
 GTCACCATTTGTATACGACTCATATAGGGCGGCCGGAATTTCGCACGAGGGCTGGTGGGG
 CGGTGCGATGAGGCGGCTTCTGGGCCATACGTCAGCACGTGGGGTGGCGCCGCACCCCTG
 AGGATCCCGGTCCACGCGGAGGAGTGGGGCTTTTACCAGCCGCCGCCGCCGCCCTCGGAC
 CTCTCCCGGGATCTTACATTTCCCTAGGGACGGGAGCCGAGGGGTCCGTTTCGGCCCT
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 CTCCTGCTTGNAGAACTAAGAGGAGAATTAGTAGAGAAAATAAGATNTAGAAGAAATG
 AAAGTGCAGATATTAAGTCCACAAAAATGGGATTGCTAGAGCCCAATACCCACAGATTT
 AGAACTCCATGAGAGAAACGTTTAGGAATCTAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016122 unedited
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAAAAAATAAGCTCTTTAATTATG
 TGCACACAGATTTTAAAAAGGTAGCCTTTTGTATATAGATACCTTTACATTCTTTAGGC
 TGACTTTTAAATTGTCATCTTTTTCACTACAGTTTTTGTATATAGTAAACCAGAAGAT
 GTGTATGGACCCTGTTATGGCCAAGCATCTCAAAGATGAAGAGAGAATTAAATGATAGTTA
 TATTTCACTCAAAATGCCAAAAAAAATTTCAACAAAGTAAAAATTTTAAACTTGACT
 CTAAGTAGTTCCTTTTTGTTTTACATTCTCAAACATTGTCAAATATTCTAAATATCTCT
 GAGAATTTCTCTTTAATGCTTCACTTGTATAATCTTAAATCCTGACAGTCATACAATA
 CAGCATGTAGTAGGTACCTTTTCTTGAGGCACATTCAAGTGTGTTGGCAAACAGTAAAAA
 GTATCTAAATGCCACAGGTTAAATGTCAAGTTTTACTGAGTCACCAACTTCACCTCTTT
 TGATCTGCCTGTTCTCAAGAACATCATTCTCCGAAGATCCAAGTTCCTCTAGTTGTTT
 TCTTTGTAGTGTTCAGTTCTTCTAGTCTTTTGCAGAGTAGAGAGAAGTCCCTTTGAT
 GTTGTTCCTCCTGCATATGAGGAGGAAATGGGTAGTCCATGCCTAGGAACCATGGCTGA
 TGACTGAAAGCTAACAGGATTGATACATGCTGTTGGAAGCATGTTAAGAACCAAAATTA
 CTCGAAATTATTATGGCTTCTCGGTTATCTTTAGCCTTTTTTGAAGCCTTGATAGCCC
 TAAAAAGACAATCTTGTCATTTAAGAACTGATTTTGTCCAATCTCTTTTTTGCTTCA
 AAATNTACTTCTCTGGAGCTCTAAATGGTTATGAAAATATTTCTTTTTGGGAATGAACC
 GCTGGAATTTCTTACTGATGACTTTCTCCTGCG

Restriction Sites:

NotI-NotI

ACCN:

NM_016122

Insert Size:

3210 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).

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_016122.1, NP_057206.1</u>
RefSeq Size:	2936 bp
RefSeq ORF:	1419 bp
Locus ID:	51134
UniProt ID:	<u>Q9Y592</u>
Cytogenetics:	12q22
Domains:	M
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).