

Product datasheet for **SC306158**

CCDC114 (NM_144577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC114 (NM_144577) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC114
Synonyms:	CILD20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC306158 representing NM_144577.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAAGGGGAGAGGGCGGCCTACAGCAAGGAAGTCCACCAGCGCATCAACAAGCAACTTGAGGAGATC
CGCGCTTGGAGGAGGTACGGGGCGATCTCCAGGTGCAGATCAGCGCAGCCAGAACCAGGTCAAGCGG
CTTCGGGACAGTCAGCGGCTGGAGAACATGGACCGCCTGCTGAAGGGCCGGGCCAGGTGCAGCGGAG
ATCGAGGAGCTGCAGGAGCAGACCAGGGCCCTGGACAAGCAGATCCAGGAGTGGGAGACGCGGATCTTT
ACCCACAGTAAGAATGTCAAGTCCCGGGATTCATCCTGGATCAGAAGGTCAAGATCAGCGGAAGGATC
AGGATCTAGAAAACAGTTGGACAGGGTACCTGTCACTTTGACAACCAGCTGGTACGGAATGCGGCC
CTGCGGGAGGAGCTGGATCTGCTGCGGATCGACAGGAACCGCTATCTGAACGTGGACCGCAAGCTGAAG
AAGGAGATCCACCACCTGCATCACCTGGTCAGCACCTTATCCTCTCCTCCACCTCTGCCTACGCCGTC
AGGGAGGAGGCGAAGCCAAGATGGCTTGTGCGGGAGCGCGGAGAAAGAGGAGGCCAGAGCGGAG
ATGGAGGCGCAGTCTGCAGCGCAGATCTTGCACCTGGAGCAGCTGCACCACTTCTCAAGCTCAAG
AACACGACCGGACGCCGATCCCGATGTCCTGGAGAAGCGTGAAAAGCAGGCCGGGAGGTGGCCGAG
GGCGTCTGGAAGACCTCCAGGAGAGGCTGGTGTCTTGTACGAGGACGCCCTGAATAAACTGTCCAG
CTGATGGGGGAGAGTGACCCTGACTGTTGGTGCAGAAGTATCTGGAGATCGAGGAGCGCAACTTTGCT
GAGTTCAACTTCAACGAGCAGAAGTGGAGCTGGAGCATGTGCAGGAAGAGATCAAGGAGATGCAG
GAGGCTTTGGTGAAGCGCAGTCCAGCAAGGATGACCAGCATTTGCTGCAGGAGCAGCAGAGAAGGTG
TTGACGAGCGCATGGACAAGGTGCACTCGGAGGCTGAGCGCCTTGAAGCCCGCTTCCAGGATGTGGG
GGACAGCTGGAGAAGCTCAAGGCTGATATCCAGCTCCTTCCACCAAGGCCATTGCGACAGCAGCATG
ATCGATGACCTCCTTGGGGTCAAGACCAGCATGGGAGACCGGGACATGGGCTCTTCTGAGCCTCATT
GAGAAGCGGCTGGTGGAGCTCCTGACAGTGCAGGCCTTCTACATGCCAGAGCTTACACCTCCTGGCC
GACGCTGCCCTCCTAGTGTGGGCCAGAGCCTGGAGGACCTCCGAAGAAGATGGCCCCACTTCAGCCC
CCTGACACTCTAGAAGACCCCCGGTTTTGAGGCCAGCGATGACTACCCATGAGCAGGGAGGAGCTG
CTGAGCCAAGTGGAGAAGCTGGTGGAGCTCCAGGAGCAGGCGGAGGCGCAGCGCCAGAAGGACCTGGCC
GCCGCCGCGGAAGCTGGACGGCACCTGAGCGTGGACCTGGCCAGCACCCAGAGGGCCGGCTCCAGT
ACCGTCTGGTGGCCACCAGGCACCCCCATGCCATCCCCGGTCCATTTGAGCCACAAGACTAGCAGA
GACCGTGGCTCTTTGGCCACGTCACTTTGGCGGCTCAGCTCCAGCACTGGGCATTTGCCAGCCAC
ATCACGCACGGTGACCCCAACTGGCCACGTGACCTTCGGCTCCACCAGTGCCTCGAGTGGGGCCAC
GTGACCTTCAGACCCGTACGCGCCAGCAGCTACCTGGGCTCCACTGGATACGTGGGGTCCAGCAGGGGC
GGAGAAAACACAGAGGGTGGTGTGGAGAGCGGAGGCACAGCGTCTGATTCGAGCGGAGGCCCTCGGGTCC
AGCAGAGACCAGTCTCCAGCACCGGCCCTGCCTCCAGCACTGGCCCCGGGCTCCTCCACCAGCAAAGAC
TCCCGGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_144577
Insert Size: 2013 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_144577.3](#)

RefSeq Size: 3234 bp

RefSeq ORF: 2013 bp

Locus ID: 93233

UniProt ID: [Q96M63](#)

Cytogenetics: 19q13.33

Protein Families: Druggable Genome

MW: 75 kDa

Gene Summary: This gene encodes a coiled-coil domain-containing protein that is a component of the outer dynein arm docking complex in cilia cells. Mutations in this gene may cause primary ciliary dyskinesia 20. [provided by RefSeq, May 2013]