

Product datasheet for **SC327967**

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)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_144577, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGGGGAGAGGCGGGCCTACAGCAAGGAAGTCCACCAGCGCATCAACAAGCAACTTGAGGAGATCC
GGCGCTTGGAGGAGGTACGGGGCGATCTCCAGGTGCAGATCAGCGCAGCCCAGAACCAGGTCAAGCGGCT
TCGGGACAGTCAGCGGCTGGAGAACATGGACCGCCTGCTGAAGGGCCGGGCCAGGTGCAGGCGGAGATC
GAGGAGCTGCAGGAGCAGACCAGGGCCCTGGACAAGCAGATCCAGGAGTGGGAGACGCGGATCTTTACCC
ACAGTAAGAATGTCAGGTCCCGGGATTTCATCCTGGATCAGAAGTCAAGATCAGGCCAAGGATCAGGAT
CCTAGAAAACAGTTGGACAGGGTACCTGTCACTTTGACAACCAGTGGTACGGAATGCGGCCCTGCGG
GAGGAGCTGGATCTGCTGCGGATCGACAGGAACCCTATCTGAACGTGGACCGCAAGCTGAAGAAGGAGA
TCCACCACCTGCATCACCTGGTCAACCTTATCCTCTCCTCCACCTCTGCCTACGCCGTGAGGGAGGA
GGCGAAGGCCAAGATGGCTTGTGCGGGAGCGCGGAGAAAGAGGAGGCCAGAGCGAGATGGAGGCG
CAGGTCTGCAGCGGCAGATCTGCACCTGGAGCAGCTGCACCACTTCTCAAGCTCAAGAACAACGACC
GGCAGCCGGATCCCGATGCTCCTGGAGAAGCGTGAAGAGCAGGCCGGGGAGGTGGCCGAGGGCGTCTGGAA
GACCTCCCAGGAGAGGCTGGTGCTTTGCTACGAGGACGCCCTGAATAAACTGTCCAGCTGATGGGGGAG
AGTGACCTGACCTGTTGGTGCAGAAGTATCTGGAGATCGAGGAGCGCAACTTGTGAGTTCAACTTCA
TCAACGAGCAGAACTTGGAGCTGGAGCATGTGCAGGAAGAGATCAAGGAGATGCAGGAGGCTTGGTGAG
CGCACGTGCCAGCAAGGATGACCAGCATTTGCTGCAGGAGCAGCAGCAGAAGGTGTTGCAGCAGCGCATG
GACAAGGTGCACTCGGAGGCTGAGCGCCTTGGGCCCCGCTTCCAGGATGTGCGGGGACAGCTGGAGAAGC
TCAAGGCTGATATCCAGCTCCTTCCACCAAGGCCATTGCGACAGCAGCATGATCGATGACCTCCTTGG
GGTCAAGACCAGCATGGGAGACCGGGACATGGGCTCTTCTGAGCCTCATTGAGAAGCGGCTGGTGGAG
CTCCTGACAGTGCAGGCCTTCTACATGCCAGAGCTTACCTCCCTGGCCGACGCTGCCCTCCTAGTGC
TGGGCCAGAGCCTGGAGGACCTTCCGAAGAAGATGGCCCCACTTCAGCCCCCTGACACTCTAGAAGACCC
CCCGGGTTTTGAGGCCAGCGATGACTACCCATGAGCAGGGAGGAGCTGCTGAGCCAAGTGGAGAAGCTG
GTGGAGCTCCAGGAGCAGGCGGAGGCGCAGCGCCAGAAGGACCTGGCCGCCGCCCGCGAAGCTGGACG
GCACCCTGAGCGTGGACCTGGCCAGCACCCAGAGGGCCGGCTCCAGTACCGTCTGGTGCCACCAGGCA
CCCCATGCCATCCCCGGGTCCATTTTGGCCACAAGACTAGCAGAGACCGTGGCTCTTGGCCACGTC
ACTTTTGGCGCCTCAGCTCCAGCACTGGGCATTTGCCAGCCACATCACGCACGGTGACCCCAACTG
GCCACGTGACCTTCGGCTCCACCAGTGCCTCGAGTGGGGCCACGTGACCTTCAGACCCGTGAGCGCCAG
CAGCTACCTGGGCTCCACTGGATACGTGGGGTCCAGCAGGGGCGGAGAAAACACAGAGGGTGGTGTGGAG
AGCGGAGGCACAGCGTCTGATTCGAGCGGAGGCCCTCGGGTCCAGCAGAGACCACGTCTCCAGCACCGGCC
CTGCCTCCAGCACTGGCCCGGGCTCCTCCACCAGCAAAGACTCCCGGGGCTAA
    
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Restriction Sites: Please inquire

ACCN: NM_144577

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none"> 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:	<p>NM_144577.3, NP_653178.3</p>
RefSeq Size:	<p>3234 bp</p>
RefSeq ORF:	<p>3234 bp</p>
Locus ID:	<p>93233</p>
UniProt ID:	<p>Q96M63</p>
Cytogenetics:	<p>19q13.33</p>
Protein Families:	<p>Druggable Genome</p>
Gene Summary:	<p>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]</p>