

Product datasheet for **SC326294**

CCDC66 (NM_001141947) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC66 (NM_001141947) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC326294 representing NM_001141947.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGAACTTGGGAGATGGTTTAAAGCTTGAACCTGAATTACTGGATGAAAAACCAAGCTAATATTGTCT
 CCATATGAACATAAATCAAAAATTTCTGTGAAGATGGGAAATAAGGCCAAGATTGCAAAATGTCCTTTA
 AGAACAAAACTGGGCACATTCTAAAAATCAACACAAGATACTTGATTGGGAGTGAAAACTTTTGCAA
 AAGAAGCCAGTTGGTTCAGAAACATCACAGGCAAAAGGTGAAAAAATGGAATGACTTTTTCATCCACT
 AAGGATTTATGTAACAATGTATAGATAAAGACTGTCTTCATATCCAGAAAGAGATTTCCACTGCAACC
 CCTAATATGCAGAAGACTAGAAACACCGTAAATACATCTCTAGTAGGTAAACAGAAGCCTCACAAAAA
 CACATCACAGCTGAAACATGAAGAGCAGTTTGGTGTGTCTAACACAAGACCAACTACAACAGATTTTG
 ATGACTGTAAACCAAGGAAATAGATCTCTTCCCTGACTGAGAATGAAAGGAGGCAAAAGTCAATAT
 AGTCTATATTTAAACAGTATTTCTAATCAGCCAAAGGATGAGAACATTATGGGATTATTCAAAAAACT
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 ATGCAGAAACAGTATGAAGAAGACATACTTAAGCAAAAAACAAAGGAAGAAATCATGACTCTCAAGACA
 AATGAGCTATTCCAGACAATGCAGCGAGCACAGGAACTGGCACAGAGACTAAAACAAGAACAAGAATC
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 TTCACCAATGCAGAATCACATTGTGGATCATTAAATGGAGAGGGACATCACAAATTGTTTCATCTCCTGAG
 ATTTCCGCGAGAACTTATTGGACAGTTTAGCACCAAGAAAAACAAGCAAGAACTAACTCAGGATAAAGGA
 GCCAGCTTAGAAAAAGAAAAAATCGGTGTAATGACCAGTGTAATCAGTTCACAAGAATAGAGAAACAA
 ACAAACACATGAAGAAATATCCTAAAAGGCCTGATTGGAATATAAATAAGCCACCTAAAAGGTATATT
 CCAGCATCAGAAAAGTACCCTAACAGCTTCAAAGCAGAGAGAAGAAAAAAGTAAGGAGGCAGATG
 GAATTGCTTCATTTGGTAGAAAAAATAATCCTGGGCACCTCTCTCAAAACAGAGGCATTTACCAGAA
 ATTTTTTCATTCTCATCAAGAAACGGAGTCAAAGTTGAGGTGGCATCTAGTCAAAAAGGAAGAAAGAG
 CCTCTGAATATTCAATTCATTGCAAGGAAGGTCTCCATCATCACCAGTTCAGTAGTGAAAAACAGA
 ACCCAACAACTCAAAATACATTACATTTACCACTAAAAAACAGTAGCTATGAGAGAGAGAAATTTGATC
 TCAGGAAGTAATCAAACAGAATTATCATCTGGGATTTCTGAATCATCCCATTTTATTCGGTATGTTGCGA
 ACAATAGAGATCTATTACCTTGATCCCGATGCACCATTTGCTGGGCCTTCAACCCAGGACCTCAGTAC
 CAAAATTCACAAGACTGTGGCCAAAAACGACAGCTATTTGATTCTGACTGTGTCAGGGATCCACTTCTT
 AATCCTAACATGGTGAATAATAGGGATCGACAGCAAGCAATCCTTAAGGGACTTTCAGAACTGAGACAG
 GGCCTTCTCCAGAAGCAAAAGGAGTTGAAAGTAGTCTCCTGCCTTTAGCTGAAATCAAGAAGAGAGT
 TTTGGTTCTTCATTTAA
ACGCGTACGCGGCCGCTCGAGCGAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI
ACCN: NM_001141947

Insert Size:	2847 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_001141947.1</u>
RefSeq Size:	3152 bp
RefSeq ORF:	2847 bp
Locus ID:	285331
UniProt ID:	<u>A2RUB6</u>
Cytogenetics:	3p14.3
MW:	109.4 kDa
Gene Summary:	Microtubule-binding protein required for ciliogenesis (PubMed:28235840). May function in ciliogenesis by mediating the transport of proteins like BBS4 to the cilium, but also through the organization of the centriolar satellites (PubMed:28235840). Plays a role in retina morphogenesis and/or homeostasis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).