

Product datasheet for **SC328027**

CCDC66 (NM_001012506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC66 (NM_001012506) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC66
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001012506, the custom clone sequence may differ by one or more nucleotides

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ATGGGAAATAAGGCCAAGATTGCAAAATGTCCTTTAAGAACAAAACTGGGCACATTCTA
AAATCAACACAAGATACTTGTATTGGGAGTGAAAACTTTTGCAAAAGAAGCCAGTTGGT
TCAGAAACATCACAGGCAAAAGGTGAAAAAATGGAATGACTTTTTCATCCACTAAGGAT
TTATGTAACAATGTATAGATAAAGACTGTCTTCATATCCAGAAAGAGATTTACCTGCA
ACCCCTAATATGCAGAAGACTAGAAACACCGTAAATACATCTCTAGTAGGTAACAGAAG
CCTCACAAAAACACATCACAGCTGAAAAACATGAAGAGCAGTTTGGTGTGTCTAACACAA
GACCAACTACAACAGATTTTGATGACTGTAAACCAAGGAAATAGATCTCTTCCCTGACT
GAGAATGGAAAGGAGGCAAAAAGTCAATATAGTCTATATTTAAACAGTATTTCTAATCAG
CCAAAGGATGAGAACATTATGGGATTATTCAAAAAAAGTAAATGGTTTCATCTGTCCCA
GCTGAAAAATAATCTGTCTTAAATGAACATCAGGAGACATCTAACAGTGTGAGCAAAAA
ATTGCCATAGAGAATGAATGGAAACCAGCTGATATATTCACTACTCTGGGGGAAAGGGAA
TGTGATAGAAAGTTCGTTGGAAGCAAAAAAGCCAGTGGAGGAAAGAGCTAGATGAACAG
GTTGCTTTAAAGAAGAAAGAAAAAGAGTTTCTGAAAAATGGAATGATCCTTGAAAAAA
TCTGAAAGTGATAAAATATATGGGAAAAACATCAAAATCTTGACCAATCTAGGGAAACA
GTACTGCTGGAGCACCTTTTCAGTGCTGTGAAACAAGAACTGCAAGAAAAATGGATTGAA
GAGTTGAATAAGCAAAATAGAAGATGACCGTCAAAGAAAAATAGAGGAAAAAATTATAT
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TCTCTGACACTCAGGAGCTGGCTGATGTCAGCAGTGTTTGTACACCTACAACCGGAAGC
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AACAGTAAGAAAACAAACTTTCTCCGTTCTATGACTGCTCTCTTGAGCCAGCTCAGATT
GAGGAACGAGACAGACGACGACAAAAACAATTAGAGCATCAGAAAGCCATCACTGCCAG
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CAAATGGAATATAATGCATCTAACATTTCAAATTCAGACATGATTCTGATGAAATCAGT
GGTAAATGAATACATATATGAATTCTACGACTTCTAAGAAGGATACTGGTGTGCAACA
GATGACTTAAATATAGGAATATTCACCAATGCAGAATCACATTGTGGATCATAATGGAG
AGGGACATCACAAATTGTTTCATCTCCTGAGATTTCCGGCAGAACTATTGGACAGTTAGC
ACCAAGAAAAACAAGCAAGAACTAACTCAGGATAAAGGAGCCAGCTTAGAAAAAGAAAC
AATCGGTGTAATGACCAAGTGAATCAGTTCACAAGAAATAGAGAAACAAACAAACACATG
AAGAAATATCCTAAAAGGCCTGATTGGAATATAAATAAGCCACCTAAAAGGTATATTCCA
GCATCAGAAAAAGTACCTAAACAGCTTCAAAAGCAGAGAGAAGAAAAAAGTAAGGAGG
CAGATGGAATTGCTTCATTTGGTAGAAAAAATAATCCTGGGCACCTCTCTCAAAACAGA
GGCATTTCACCAGAAATTTTTCATTCATCTCATCAAGAAACGGAGTCAAAGTTGAGGTGG
CATCTAGTCAAAAAGGAAGAGAGCCTCTGAATATTCATTTCATTAGCAAGGAAAGGTCT
CCATCATCACCAGTTCAGTAGTGAAAAACAGAACCCAACTCAAAATACATTACAT
TTACCACTAAAAACAGTAGCTATGAGAGAGAGAATTTGATCTCAGGAAGTAATCAAAACA
GAATTATCATCTGGGATTCTGAATCATCCATTTTATTCGTATGTTTCAACAAATGAG
ATCTATTACCTTGATCCCGATGCACCATTTGTCTGGGCCTTCAACCCAGGACCTCAGTAC
CAAAATTCACAAGACTGTGGCCAAAAACGACAGCTATTTGATTCTGACTGTGTCAGGGAT
CCACTTCTTAATCCTAACATGGTGAAAAATAGGGATCGACAGCAAGCAATCCTTAAGGGA
CTTTCAGAACTGAGACAGGGCCTTCTCCAGAAGCAAAAGGAGTTGAAAGTAGTCTCCTG
CCTTAGCTGAAATCAAGAAGAGAGTTTTGGTCTTCATTT

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Restriction Sites: Please inquire

ACCN: NM_001012506

Insert Size:	3133 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_001012506.4, NP_001012524.4</u>
RefSeq Size:	3133 bp
RefSeq ORF:	2745 bp
Locus ID:	285331
UniProt ID:	<u>A2RUB6</u>
Cytogenetics:	3p14.3
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 (2) lacks a segment of the first exon containing the 5' UTR and 5' coding region, compared to variant 1, which results in translation initiation from a downstream in-frame translation start codon. The encoded protein (isoform 2) has a shorter