

Product datasheet for **SC111413**

CCDC28B (NM_024296) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC28B (NM_024296) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC28B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024296, the custom clone sequence may differ by one or more nucleotides

ATGGATGACAAAAGAAGAAACGGAGTCCCAAGCCCTGCCTGGCCAGCCAGCCAGGCCAGGCCAGGCACAC
 TACGGAGGGTCCCTGTGCCTACCAGCCACAGCGGCTCCTTGGCCCTAGGACTTCCTCATCTGCCATCCCC
 CAAGCAGCGGGCCAAGTTCAAGAGAGTAGGCAAAGAGAAGTGCCGCCAGTCCTGGCTGGAGGTGGAAGC
 GGCTCTGCAGGCACGCCCTGCAGCACTCCTTCTGACCGAGGTGACTGATGTCTATGAGATGGAGGGGG
 GACTCCTGAACCTGCTCAATGATTTCCACTCTGGCCGGCTGCAGGCCTTCGGGAAGGAATGCTCCTTTGA
 GCAGCTGGAGCACGTTCTGGGAGATGCAGGAGAAGCTAGCCCGGCTGCATTGAGCCTGGATGTGTGTGGG
 GAGGAGGAGGACGATGAAGAGGAAGAGGATGGGGTCACTGAGGGGCTGCCAGAGGAGCAGAAGAAGACAA
 TGGCTGACCGTAACCTGGACCAGCTGCTTAGCAATCTGGAAGACCTCAGTAATTCTATCCAGAAGCTGCA
 CTGGCCGAGAACGCCGAGCCTGAGGAGCAGTCCGCTGCGTAG


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024296 unedited CGTCAGCAATTGTAAACGACTCATATAGGCGGCCGCGAAATCGGCACGAGGCCTCGTGCC GAATTCGGCAGCAGGATGGATGACAAAAAGAAACGGAGTCCCAAGCCCTGCCTGGCC CAGCCAGCCCAGGCCACAGGCACACTACGGAGGGTCCCTGTGCCACACAGCCAGCGGC TCCTTGCCCTAGGACTTCTCATCTGCCATCCCCAAGCAGCGGGCCAAGTTCAAGAGA GTAGGCAAAGAGAAGTGCCGCCAGTCTGGCTGGAGGTGGAAGCGGCTCTGCAGGCACG CCCCTGCAGCACTCCTTCTGACCGAGGTGACTGATGTCTATGAGATGGAGGGGGGACTC CTGAACCTGCTCAATGATTTCCACTCTGGCCGGCTGCAGGCCTTCGGGAAGGAATGCTCC TTTGAGCAGCTGGAGCACGTTCCGGAGATGCAGGAGAAGCTAGCCCGGCTGCACTTCAGC CTGGATGTGTGTGGGGAGGAGGAGGACGATGAAGAGGAAGAGGATGGGGTCACTGAGGGG CTGCCAGAGGAGCAGAAGAAGACAATGGCTGACCGTAACCTGGACCAGCTGCTTAGCAAT CTGGAAGACCTCAGTAATTCTATCCAGAAGCTGCACCTGGCCGAGAACGCCGAGCCTGAG GAGCAGTCCGCTGCGTAGGCGTCCACGCAGGCCACACTGCCCTCTCATTCTCTTCAA ACTGTGACTNTNTACAGACTCGGGCGGGTGTCTGCGGCCCCCAGTGCTATGGGGGCAG GGGGCGTTGAATGGCATTAAACCAGAAAGAAGGCTNNNNNNNNNNNNCCNNNNNNNNNN CNCNNNNNNNNNNCNCNNCCCCCTCCNNCCCCCCCCCCCCCTCTCCCCCTTCTCCCTC TCCCACTCC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024296 unedited TGGTAAATCTCTCTCAACGCCCCCGTCCCCATAGCACCTGGGGGGCCGAGAACACC CGCCCGAGTCTGTAAAAGTACAGTTTGAAGAGAATGAGAGGGGAGTGTGGGCTGCGT GGGACGCCTACGACGCGGACTGCTCCTCAAGCTCGGCGTTCTCGGCCAGGTGCAGTTCT GGATAGAATTACTGAGGTCTTCCAGATTGCTAATCAGCTGGTCCAGGTTACGGTCAGCCA TTGTCTTCTTCTGCTCCTCTGGCAGCCCTCAGTGACCCCATCTTCTCTTCTCATCGT CCTCCTCCTCCCCACACATCCAGGCTGAAGTGCAGCCGGGCTAGCTTCTCTGCATCT CCCGAACGTGCTCCAGCTGCTCAAAGGAGCATTCTTCCGAAGGCTGCAGCCGGCCAG AGTGGAATCATTGAGCAGGTTCAAGAGTCCCCCTCCATCTCATAGACATCAGTCACCT CGGTCAAGAAAGAGTGTGCAGGGGCGTGCCTGCAGAGCCGTTCCACCTCCAGCCAGGA CTGAGCGGCACTTCTCTTGCCTACTCTTGAAGTGGCCCGTGTGGGGATGGCA GATGATGAAGTCTATGGCCAAAGAGCCGCTGTGGCTGGTAAGCACAGGAGCCCTNCGTA NTGTGCCTGGGGCCCTGAGCTGGCTGGGCCANGCANGNCTTGAGACCTCGTTTCTCTCT TTTTGTATCCATTCTCGTGCCGAATTCGGCACGAAGGCTCGTGCCGAATTCGCCGCCGC CCTATAGTGAGTCGGATTTCAAATNCTGACCGTTCACTAAACGAACTCTGCTTATTAG ACTCCACCGTACACCCCTACCGGCCATTGGGTTAACGGGGCGGGGTATTACGAACTTT TGGAAAGTCCCGTTGGTTTTGGTGGCAAACAACTCCTTTGGCCGATGGGGTGGAACT TGGAAATCCCGCGGAGTAACCCCTTACCCCTGGGGGCGGGCAAACCTTCCATGTGA A
Restriction Sites:	NotI-NotI
ACCN:	NM_024296
Insert Size:	980 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: [NM_024296.2](#), [NP_077272.1](#)

RefSeq Size: 1448 bp

RefSeq ORF: 726 bp

Locus ID: 79140

UniProt ID: [Q9BUN5](#)

Cytogenetics: 1p35.2

Gene Summary: The product of this gene localizes to centrosomes and basal bodies. The protein colocalizes with several proteins associated with Bardet-Biedl syndrome (BBS) and participates in the regulation of cilia development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
 Transcript Variant: This variant (2) lacks an alternate segment in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.