

Product datasheet for **MC204500**

Ccdc28b (NM_025455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc28b (NM_025455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc28b
Synonyms:	1110002E08Rik; 1810010N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC028873 GCTCCAGTTCCCCTGAGGAGAGAGAAAAGCAGGGTGAAGGGAGATTGCAAAGAAGCACTGTTTTACACTCC AGACCCCAAACCTCCAGACCTGAGGTCCAACACACCACCAATGGAAGACAAAAAGAAGAAACGGAGTCC TAAGCCCTGCCTGACCAACAAGCACAGGCCCCAGGCACACTGCGCAGAGTCCCTGTGCCACCAGCCAC AGTGGCTCCTTGCTCTGGGACTCCCTCATTTGCCATCACCTAAGCAGCGAGCCAAGTTCAAGAGAGCAG GCAAGGAGAAATGCCGACCGGTGCTGGGTGGAGGTGGAGGCGGCTCCGCAGGCACACCCCTGCAACTC CTTCTGACAGAGGTGACAGATGTTTATGAGATGGAGGGAGGACTGCTGAACTTGCTCAATGATTTTCAT TCAGGCCCGCTGCAGGCCTTTGGGAAGGAATGTTCTTCGAGCAGCTGGAGCATGTTGCGGAGATGCAGG AGAAGTTGGCCAGACTGCACTTCAGCCTGGATGTGTGTGGGGAGGAAGAGGACGAGGAAGAAGAGGAGGA TGGGGTCACAGAAGGCTTGCCTGAGGAGCAGAAGAAGACAATGGCTGACCGCAACCTGGACCAGCTGCTT AGCAATCTGGAAGATCTTAGCAATTCATACAGAAGCTACACTTGGCAGAGAATGCTGAGCCTGAGGACC AGCCAGCTGCGTAGGTGTGCGCTAAACTCTTCTGCTACTCTCTTCAAACCTGTGAATTTTACGGATTC GGAAGCCCTTGGTGCTATGGGGTCGGGGCCTGTTGGAATTAACAACAGAAAAGCGAAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025455
Insert Size:	603 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).



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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: [BC028873](#), [AAH28873](#)

RefSeq Size: 850 bp

RefSeq ORF: 603 bp

Locus ID: 66264

UniProt ID: [Q8CEG5](#)

Cytogenetics: 4 D2.2

Gene Summary: Involved in ciliogenesis. Regulates cilia length through its interaction with MAPKAP1/SIN1 but independently of mTORC2 complex. Modulates mTORC2 complex assembly and function, possibly enhances AKT1 phosphorylation. Does not seem to modulate assembly and function of mTORC1 complex.[UniProtKB/Swiss-Prot Function]