

Product datasheet for **SC326201**

CCDC79 (TERB1) (NM_001136505) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC79 (TERB1) (NM_001136505) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC79
Synonyms:	CCDC79
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001136505, the custom clone sequence may differ by one or more nucleotides

```
ATGGAAAGTGAAGACACAAAGAAACACAAGAAATGAAGACTGACCTGAACCTATTATTG
GAGTGTCTAAAGTATCAAATGGACAATGCTTTTTCACAAAAGGAAGCTTTGGTCACTATT
CATTCAATTTGTCAACAAAACAGTAATGCAAGTGTTTATTTTCGGGAAATTGGTGGTTTG
ATGTTTGTAAAAATCTTGCAAAGTCAAGTGAACATAGCATGGTAAAAGAAGCAGCCTTA
TATACATTAGGAGCTATTGCAGAGAAAAATGTTTACTGTCAGCAGACTTTGTGTACTTCA
GAGTTGTTTGAAGACTTAACTTGGTTCTTATCTAATGATTCAAACATAAAATTTGAAAAGA
ATGCTGTATTATGTTATTTTGGTTCTGGTTTCAAATAATAGGACCGGACAAACACTTGTG
AGAGAAACAGGTTGTATTACAGTTCTGTCACGGTTATTCAGGACAGTTATTTCAAACAT
GAGTTGGATTGTGAGATAAAAAATGTTTCCAGAGTTATCAGTTGTGGTCTTCAGTGTGT
AGTACTCTGTGTGTCTGTGTCAACAATCCTCAAAATGATGAGAATCAAATGTTTGTCTGT
TCCCTTTTCCACATGCTAATGAATGGCTAAAAAATTGCACGACACCTGAGATAATTCGC
CCTATTTGCTCATTTATTGGACTCACTCTTGCAAATAACACATATGTTCCAGAAATACTTC
GTATCTGTGGGCGGACTGGATGTATTGTCTCAAGTTCTCATGCAGCTGGAATCTGATTCA
CATGAGACTCTTTCCAGTGCTAAACTTGCAAGTGTTGTGACGAAGACTGTGGATGCATGC
ATTGCTGATAATCCTACTTTTGGGATAGTACTCTCCAAGTACCACATTGTTTCTAAACTT
CTGGCATTACTGCTTCATGAAAGTCTGGATTGAGGAGAAAAATTTAGCATCATGCTTACT
CTTGGTCATTGCACAGAGGATTGTGAGGAAAAATCAGTATGACCTTTTAAAAACAATGGG
CTTCCACTCATGATTCAAGCCTTAACTGAATCGCAGAATGAGGAACTGAACAAAGCTGCC
ACATTTGTGCTTCACAACTGCAAAAAAATTACTGAGAAATTATCTCTAAGTCTAGGAGAA
TATCCTTTTGATGAAAAATGAAACACAGCAATTAAGGACATAAGTGTGAAGGAGAATAAT
CTTGAAGAGCACTGGAGGAAAGCAAAGGAAATTTCTACACAGAATAGAACAGCTTGAAAGA
GAAGGAAATGAGGAGAAATACAAAGAGAAAACTATCAGGATAATATTTTCATCTATGAAC
ATAAGTATTGAGAATACATGGAACATCTCCATGCAGATCGGATTGGTTCAGGTAGCAAA
GCAGAAGATGAGGATAAAAGCCATTCTAGACAGTTACAGAGTTATAAGTCCCATGGAGTC
ATGTCTAAAGCATGTACAAATGATGACCAATGAAGACACCGTTAAAGAGCGCAATCCA
GTCCATGCTTGTACAGGGAGAGTGAGCAAAATAAGACTTTATATAAGCCAAAGTCAAGC
TGCAATCAAACTTACATGAAGAACTACTTTTGAAAAGAATTTTGTCTCAATCAAGT
GACCATGTTTTTAAACACCCAGTTCACATTGCCAAAAATATAAGCAGCAGTTACCAGTA
ACAGATCCATTTACATTATGTTTCAAGATATAATAAATAAGAGTAGTCAGTTTCTAGCA
ACTCCCAGTTGTTCCGAAATGTTGACGTATAGGTGCTCAGGTTGCATAGCAGTAGAAAAA
TCCCTGAATAGCCGAACTTTAGCAAGCTCTTGCACTCTTGCCCCATACCAATGTGATCGT
CACAAAGTCATTGTGGAAGCTGAAGACAGATATAAAAGTGAACAAAGGAAATCACTTATC
TGTAACAAAAAATTTCTGCTGACCCACGTAGAAGACAACGACTCAGTAATGAATCTACT
ACCCCTGGAGGAATAAAAAAAGAAGAAATTCGCAAAACTTTACTGAAGAAGAAGTAAAT
TACCTTTTCAATGGAGTTAAGAAATGGGAAATCACTGGAATTCATTTTGTGGTCTTTC
CCCTTTTCAAGCAAGGACGGAAGGCTGTGGACCTTGCTCACAAATACCACAAGCTGACCAAA
CACCCACGTGTGCAGCTTCT
```

Restriction Sites: Please inquire

ACCN: NM_001136505

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_001136505.1, NP_001129977.1</u>
RefSeq Size:	2446 bp
RefSeq ORF:	2184 bp
Locus ID:	283847
UniProt ID:	<u>Q8NA31</u>
Cytogenetics:	16q22.1
Gene Summary:	Meiosis-specific telomere-associated protein involved in meiotic telomere attachment to the nucleus inner membrane, a crucial step for homologous pairing and synapsis. Component of the MAJIN-TERB1-TERB2 complex, which promotes telomere cap exchange by mediating attachment of telomeric DNA to the inner nuclear membrane and replacement of the protective cap of telomeric chromosomes: in early meiosis, the MAJIN-TERB1-TERB2 complex associates with telomeric DNA and the shelterin/telosome complex. During prophase, the complex matures and promotes release of the shelterin/telosome complex from telomeric DNA. In the MAJIN-TERB1-TERB2 complex, TERB1 probably mediates association with the shelterin/telosome complex via interaction with TERF1, promoting priming telomeric DNA attachment'. Promotes telomere association with the nuclear envelope and deposition of the SUN-KASH/LINC complex. Also recruits cohesin to telomeres to develop structural rigidity. [UniProtKB/Swiss-Prot Function]