

## Product datasheet for RC227940L3V

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# CCDC79 (TERB1) (NM\_001136505) Human Tagged ORF Clone Lentiviral Particle

### **Product data:**

**Product Type:** Lentiviral Particles

Symbol: CCDC79

Synonyms: CCDC79

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

**ACCN:** NM\_001136505

ORF Size: 2181 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC227940).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeq:** <u>NM\_001136505.1</u>

RefSeq ORF: 2184 bp

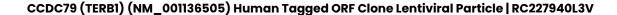
Locus ID: 283847

UniProt ID: Q8NA31

Cytogenetics: 16q22.1

**MW:** 82.9 kDa







### 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]