

## Product datasheet for **SC201577**

### CDC45L (CDC45) (NM\_003504) Human 3' UTR Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | 3' UTR Clones  |
| Product Name:      | CDC45L (CDC45) (NM_003504) Human 3' UTR Clone  |
| Vector:            | pMirTarget (PS100062)  |
| Symbol:            | CDC45  |
| Synonyms:          | CDC45L; CDC45L2; MGORS7; PORC-PI-1   |
| ACCN:              | NM_003504  |
| Insert Size:       | 159 bp   |
| Insert Sequence:   | >SC201577 3'UTR clone of NM_003504<br>The sequence shown below is from the reference sequence of NM_003504. The complete sequence of this clone may contain minor differences, such as SNPs.<br><b>Blue</b> =Stop Codon <b>Red</b> =Cloning site<br><br>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG<br>TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br>CTGGACGCACTTATTTCCCTCCTGTCTTAGGAATTTGATTCTTCCAGAATGACCTTCTTATTTATGTAA<br>CTGGCTTTCATTTAGATTGTAAGTTATGGACATGATTTGAGATGTAGAAGCCATTTTTTATTAATAAA<br>ATGCTTATTTTAGGCTCCGTC<br><b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br>CGAGATTCGATTCCACCGCCCTTCTATGAAAGG |
| Restriction Sites: | Sgfl-MluI  |
| OTI Disclaimer:    | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).   |
| Components:        | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.   |
| RefSeq:            | <u><a href="#">NM_003504.5</a></u>   |



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**Summary:**

The protein encoded by this gene was identified by its strong similarity with *Saccharomyces cerevisiae* Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in *Xenopus* suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Locus ID:**

8318

**MW:**

6.1