

## Product datasheet for **SC205858**

### CENPE (NM\_001813) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CENPE (NM\_001813) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CENPE  
**Synonyms:** CENP-E; KIF10; MCPH13; PPP1R61  
**ACCN:** NM\_001813  
**Insert Size:** 441 bp  
**Insert Sequence:** >SC205858 3'UTR clone of NM\_001813  
The sequence shown below is from the reference sequence of NM\_001813. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGATGTGCCTGAGTGCAAACTCAGTAGACTCCTCTTTGTCACTTCTCTGGAGATCCAGCATTCTT
ATTTGGAAATGACTTTGTTTATGTGCTATCCCTGGTAATGATGTTGTAGTGCAGCTTAATTTCAATTC
AGTCTTTACTTTGCCACTAGAGTTGAAAGATAAGGGAACAGGAAATGAATGCATTGGTAATTTAGAA
TGGTGATAGCAATACCTTCTTGCATATGGTAATACTTTTAAAGTTGAATTGTTTTATTTATTTGT
ATATTTGTAAAGAATAAAGTTATTGAAAGAAATGAAAGTTATCTACATGACTTAGCATATTTCAAAG
CATAATACATACATTAATATAAAACATCATTTTATTAACAAAATTGAAATGTTTTAATACCTTACAC
ATTCAATAAATGTTTAGTGTCTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-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:** [NM\\_001813.3](#)



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**Summary:**

Centrosome-associated protein E (CENPE) is a kinesin-like motor protein that accumulates in the G2 phase of the cell cycle. Unlike other centrosome-associated proteins, it is not present during interphase and first appears at the centromere region of chromosomes during prometaphase. This protein is required for stable spindle microtubule capture at kinetochores which is a necessary step in chromosome alignment during prometaphase. This protein also couples chromosome position to microtubule depolymerizing activity. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. [provided by RefSeq, Nov 2014]

**Locus ID:**

1062

**MW:**

17.4