

## Product datasheet for **SC201226**

### **BUB1 (NM\_004336) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** BUB1 (NM\_004336) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** BUB1  
**Synonyms:** BUB1A; BUB1L; hBUB1  
**ACCN:** NM\_004336  
**Insert Size:** 466 bp  
**Insert Sequence:** >SC201226 3'UTR clone of NM\_004336  
The sequence shown below is from the reference sequence of NM\_004336. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCTTAGAATGTAAGCGTTCACGAAAATAAAATTTGGATATAGACAGTCCTTAAAAATCACACTGTAAA
TATGAATCTGCTCACTTTAAACCTGTTTTTTTTTCATTTATTGTTTATGTAATGTTTGTAAAAATAA
ATCCCATGGAATATTTCCATGTAACCTAGTTGTTATAAATATTTCAACAAAATATACAACCCCATAGG
TCCCTATATAGCAGGCTGATTGGGCTGCTTCTGGGATGCAAGCATTTGTGAGAATAATTCAGACATGAG
CATTCTCTAGAAATCACTTTTTAAACACTGACCTGTTTAAAGCCAAAAAAGGGCCAAGACAGCTATTTTC
CAAATTTGAAGTTTGGTGTCTGTGTAACACACACACACACACACACACACACTTCCCT
AACATTTCCAAGGGACTTCAAGTTTTTATGAATAAAGCTTGCCTGCCTTTA
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\\_004336.5](#)



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**Summary:**

This gene encodes a serine/threonine-protein kinase that play a central role in mitosis. The encoded protein functions in part by phosphorylating members of the mitotic checkpoint complex and activating the spindle checkpoint. This protein also plays a role in inhibiting the activation of the anaphase promoting complex/cyclosome. This protein may also function in the DNA damage response. Mutations in this gene have been associated with aneuploidy and several forms of cancer. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Locus ID:**

699

**MW:**

18.2