

## Product datasheet for **SC206795**

### EEF1E1 (NM\_004280) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones

**Symbol:** EEF1E1

**Synonyms:** AIMP3; P18

**Mammalian Cell** Neomycin

**Selection:**

**Vector:** pMirTarget (PSI00062)

**ACCN:** NM\_004280

**Insert Size:** 525 bp

**Insert Sequence:** >SC206795 3'UTR clone of NM\_004280  
The sequence shown below is from the reference sequence of NM\_004280. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AAGAACAGACTATATACTAATTCACCTAGAAAGCTGTCCATGCCATACAGAAGATCTATTAATAATGTT
TTAAATGGAAAAATGACTCTAGACCACAGGACTAATGTAAATTAATATACAGTCATTCATTATTTGTTG
AAGTTGATAGAATTTTGAAGTGTAACCTTGTGTCTGAATGTTTTATTTGTTCTTTAGCTGAAGTTTTG
CAATTTTTATGTCAAAATTCATTTGCTATTAAACAAGTTGAGATCCAGTTATAAATTAACCTTGTTTTT
AGTAGATGACATTTATTTCAATAAAAGTTGCAAAATCGGGCTTAATCTTAAATTTGGTGGTCATTTCAAT
GGTTGACATATTTGGCTATTTATTAACCTCTCTTCATATTCTAAATTCATTTCCCTTATGGATAT
TTATGGTAGTTTGTAAAGAACTGATAAATGTGCCAAGGAAGCCAAAGGAAGACAGATGGATTGTT
TTAAATATTTTATGTGAGCTAGTAAATGTGGTTGAAAAATA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



<b>Components:</b>	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.
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_004280.5</a></u>
<b>Summary:</b>	This gene encodes a multifunctional protein that localizes to both the cytoplasm and nucleus. In the cytoplasm, the encoded protein is an auxiliary component of the macromolecular aminoacyl-tRNA synthase complex. However, its mouse homolog has been shown to translocate to the nucleus in response to DNA damage, and it plays a positive role in ATM/ATR-mediated p53 activation. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream MUTED (muted homolog) gene. An EEF1E1-related pseudogene has been identified on chromosome 2. [provided by RefSeq, Dec 2010]
<b>Locus ID:</b>	9521
<b>MW:</b>	20.5