

Product datasheet for **SC201408**

EIF3E (NM_001568) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: EIF3E (NM_001568) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: EIF3E
Synonyms: eIF3-p46; EIF3-P48; EIF3S6; INT6
ACCN: NM_001568
Insert Size: 699 bp

Insert Sequence: >SC201408 3'UTR clone of NM_001568
 The sequence shown below is from the reference sequence of NM_001568. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGGCAACTCAAGATTCTGGCTTCTACTGAGAACCATAAAGAAAAGATGAAAAAAAAACTATCAAAAG
AAAGATGAAATAATAAACTATTATATAAAGGGTGACTTACATTTTGGAAACAACATATTACGTATAAA
TTTTGAAGAATTGGAATAAAATTGATTCATTTTATCTTGCTGTGAGTTTTCTTGCATGTGCAAGTTTGT
GTTTTTTAACTTTCTTTTTTGGAATAATTATATTAGAGGAATTTGCAAAAATAGTACAGAGAAGTCC
CTGTAGGCTGAACCCTGTTCCCTCAATTTTTTCACTTTGTCTTACTATGGTACAGTATCAAAACCAGG
ATGTTGACATTGGTACAATGTGTGTACAAATAGCTCCCTACCATTTTATCACGTGTAGATTTGTGTAAC
CATCACTGCAGCCAAGATAGAGAACTATCATCATGATCTCCCTCATGCTACCTTTTTGTAGCCATACCT
ACTCCAACCAACTCTAACCTAGGAACCACTAATCTGTTCCCTCATGCTATATTTTGTGATTATGAGA
ATGTTATATAAAATGGAATTACATAATACACAACCTTTGAGATTAGCTTTTTTTCATTCATCACAATGCTC
TTGAGAGCCATCCAAGTTGAGAGATAGATATATATATATATATATGATCAGTAGTTAATTCCTTTTTATT
GCCAAATAG
ACGCGTAAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).



[View online »](#)

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_001568.3
Summary:	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA ⁱ and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773). Required for nonsense-mediated mRNA decay (NMD); may act in conjunction with UPF2 to divert mRNAs from translation to the NMD pathway (PubMed:17468741). May interact with MCM7 and EPAS1 and regulate the proteasome-mediated degradation of these proteins (PubMed:17310990, PubMed:17324924).[UniProtKB/Swiss-Prot Function]
Locus ID:	3646
MW:	27.6