

## Product datasheet for **SC337117**

### **E4F1 (NM\_001288776) Human Untagged Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | E4F1 (NM_001288776) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | E4F1                                     |
| Synonyms:                 | E4F                                      |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >SC337117 representing NM\_001288776.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGGCGCGATGGCAGTGCGGGTGACGGCCGCTCATACGGCAGAAGCCAGGCCGAAGCCGGGCGG
GAAGCGGGCGAGGGTGCACTTGCGGCGGTGGCGCGGCTTGCCCCCAGCGGCTTCCTCGGCCTCCCG
GCGCCCTTCAGCGAGGAAGATGAGGACGATGTGCACAGATGCGGCCGCTGCCAGGCAGAGTTCACCGCC
TTGGAGGATTTTGTTCAGCACAAGATTAGAAGGCCTGCCAGCGGGCCCTCCGGAGGCCCTGCCTGCC
ACCCCTGCCACCACAGCGTTGCTGGGCCAGGAGGTGGTCCGGCAGCACCAGGCCAGAGGAGCCCATC
ACTGTGGCCACATCGTGGTGGAGGCGGCTCTCTGGCAGCAGACATCAGCCACGCATCTGACCTTGT
GGTGGTGGGCACATCAAAGAGGTGATCGTGGTGTGAGGCGGAGCTGGGAGACGGTGAGATGGCCGAG
GCCCGGGCAGCCCCACCAGCAGGGGCTGGGGCTCGCAGGGGAGGGTGAGCAGGCCAGGTGAAGCTA
CTGGTGAACAAGGATGGCCGCTATGTGTGTGCGCTGTGCCACAAGACCTTCAAGACGGGCAGCATCTC
AAGGCCACATGGTCACTCAGCAGCCGAAGGACCAGAGTGAAGCTCTGTGGGGCTCCTTCCGC
ACCAAGGGCTCACTCATCCGGCACACCGCGGCACACGATGAGCGCCCTACAAGTGCTCCAAGTGT
GGAAAGAGCTTCCGGGAGTCGGGTGCACTGACCCGGCACCTCAAGTCTCTACCCCTGCACAGAGAAA
ATCCGCTTCAGTGTGAGCAAGGACGTGGTGTGACGAAAGAGGACGCACGTGCAGGTTCTGGAGCTGGA
GCTGCCGCTTGGGGACAGCCACATCATCGGTGACAGGCGAGCCTATAGAGACTTACCCGTGATTCAC
CTGGTGACAGATGCCAAGGGACCGTCATCCACGAAGTCCACGTCCAGATGCAGGAGCTGTCCCTGGGC
ATGAAAGCCCTGGCCCCAGAGCCCCCGTCTCCAGGAGCTCCCTGTCCAGCGAGGGCAGCCGTGAG
AACCTGCTGCACAGGCCATGCAGAACTCCGGCATCGTCCTTGAGCGCGTGTGGGAGGAGGGTGCC
CTGGAGCCAGCTCCTGCTGCCGGTCCAGTCCCAGCCCTGGCAGTGGCAGCCCCGAGTGGCCGTA
CTGGAAGTGCAGCGCTGGAGACACAGGTGGCCAGCGAGGCTCAGCGGTGCCAGGACCCACCATGT
CCTCAGTGCACTGAGACCTTCCCGACAGCAGCCACCCTGGAGGCCACAAAGAGGGCCACACCGGCCG
AGGCCGTTGCGCTGCGCGCAGTGTGGCAAGGCCTTCCCAAGGCCTACCTGCTCAAGAAGCACCAGGAG
GTGCACGTGCGTGAGCGCCGCTTCCGCTGTGGCGACTGCGGGAAGCTCTACAAGACCATTGCCCATGTG
CGTGGCCACCGCGCGTCCACTCAGACGAGCGGCCCTACCCTGTCCCAAGTGTGGCAAGCGCTACAAG
ACTAAGAACGCACAGCAGGTGCACTTCAGGACACACCTGGAGGAGAAGCCGCACGTGTGCCAGTTCTGC
AGCCGTGGCTTCCGAGAGAAGGGCTCACTGGTGGCGCACGTGCGACACCACACAGGCGAGAAGCCGTTT
AAGTGCTACAAGTGCGGCGGTGGCTTCGCCGAGCAGGACGCTGAACCGGCACCTGCGACCAAAGGG
GGCTGCCTGCTGGAGGTGGAGGAGTTGCTGGTGTCTGAGGACAGCCCCGCGGCAGCCACACCGTCTC
ACGGAAGACCCGCACACAGTGCCACTGCGGACGATGCGGAGACAGTGAAGGCCACGGAGATCATCGAGG
GCACCCAGACAGAGGTGGACAGCCACATCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001288776

**Insert Size:** 1965 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001288776.1](#)

**RefSeq Size:** 2614 bp

**RefSeq ORF:** 1965 bp

**Locus ID:** 1877

**UniProt ID:** [Q66K89](#)

**Cytogenetics:** 16p13.3

**Protein Families:** Transcription Factors

**MW:** 70.4 kDa

**Gene Summary:** The zinc finger protein encoded by this gene is one of several cellular transcription factors whose DNA-binding activities are regulated through the action of adenovirus E1A. A 50-kDa amino-terminal product is generated from the full-length protein through proteolytic cleavage. The protein is differentially regulated by E1A-induced phosphorylation. The full-length gene product represses transcription from the E4 promoter in the absence of E1A, while the 50-kDa form acts as a transcriptional activator in its presence. Alternative splicing results in multiple transcripts encoding different proteins. [provided by RefSeq, Jan 2014]  
**Transcript Variant:** This variant (2) uses an alternate splice site in the 3' coding region that results in a frameshift compared to variant 1. The encoded protein (isoform 2) has a shorter and distinct C-terminus compared to isoform 1.