

## Product datasheet for **SC213584**

### **E2F1 (NM\_005225) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	E2F1 (NM_005225) Human 3' UTR Clone
Symbol:	E2F1
Synonyms:	E2F-1; RBAP1; RBBP3; RBP3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005225
Insert Size:	1269 bp



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**Insert Sequence:** >SC213584 3' UTR clone of NM\_005225  
The sequence shown below is from the reference sequence of NM\_005225. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CTCTTCGACTGTGACTTTGGGGACCTCACCCCTGGATTT**TGAC**AGGGCTTGGAGGGACCAGGGTTTC  
CAGAGATGCTCACCTGTCTCTGCAGCCCTGGAGCCCCTGTCCCTGGCCGTCCTCCAGCCTGTTTGA  
AACATTTAATTTATACCCTCTCCTCTGTCTCCAGAAGCTTCTAGCTCTGGGTCTGGCTACCGTAGGA  
GGCTGAGCAAGCCAGGAAGGGAAGGAGTCTGTGTGGTGTGTATGTGCATGCAGCCTACCCACACGTGT  
GTACCGGGGGTGAATGTGTGTGAGCATGTGTGTGCATGTACCGGGGAATGAAGTGAACATACACCTC  
TGTGTGTGCAGTGCAGACACGCCAGTGTGTCCACATGTGTGTGCATGAGTCCATGTGTGCGCGTGGG  
GGGCTCTAACTGCACTTTGGCCCTTTTGTCTGGGGTCCCACAAGGCCAGGGCAGTGCCTGCTCCCA  
GAATCTGGTGCTGACCAGGCCAGGTGGGAGGCTTTGGCTGGCTGGCGTGTAGGACGGTGAGAGCAC  
TTCTGTCTTAAAGTTTTTTCTGATTGAAGCTTAATGGAGCGTTATTTATTCGAGGCTCTTTGGT  
GAGCCTGGGGAATCAGCAAAGGGGAGGAGGGGTGTGGGTTGATACCCAACTCCCTCTACCTTGAGCA  
AGGGCAGGGGTCCCTGAGCTGTTCTTCTGCCCATACTGAAGGAACTGAGGCCTGGGTGATTTATTTATT  
GGGAAAGTGAGGGAGGGAGACAGACTGACTGACAGCCATGGGTGGTGCAGATGGTGGGTGGGCCCTCTCC  
AGGGGGCCAGTTCAGGGCCCCAGCTGCCCCAGGATGGATATGAGATGGGAGAGGTGAGTGGGGACCT  
TCACTGATGTGGCAGGAGGGGTGGTGAAGGCCTCCCCAGCCAGACCCTGTGGTCCCTCCTGCAGTGT  
CTGAAGCGCCTGCCTCCCAGTCTGCCCCACCCTCCAATCTGCACCTTGATTTGCTTCCCTAACAGCT  
CTGTTCCCTCCTGCTTTGGTTTTAATAAATATTTTATGACGTTTGGGCCGGTTTTGGGACTCTGTTGG  
GAACATTTGGGGCGGGAGAGGCAAGTTGCTGGGAAATGCCATTCTCCACTTCCCTTCTCCCTGTC  
CGTGCCCGATTTGATTTGAGCCTCATAACTCGAAGAAAGGTCAGCTTCTCGCTGTTTTGGTCTAACTC  
AAAAGCAGA

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

**Restriction Sites:**

Sgfl-Mlul

**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\\_005225.2](#)

**Summary:**

The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis. [provided by RefSeq, Jul 2008]

**Locus ID:**

1869