

Product datasheet for **SC107802**

E2F6 (NM_198257) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2F6 (NM_198257) Human Untagged Clone
Tag:	Tag Free
Symbol:	E2F6
Synonyms:	E2F-6; E2F-6, MGC111545; E2F transcription factor 6; E2F transcription factor 6, isoform 1; MGC111545
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107802 sequence for NM_198257 edited (data generated by NextGen Sequencing) ATGAGTCAGCAGCGCCGCGGAGGAAGTTACCCAGTCTCCTCCTGGACCCGACGGAGGAG ACGGTTCGCCGTCGGTGCCGAGACCCCATCAACGTGGAGGGCCTGCTGAAGCTCTAA

Clone variation with respect to NM_198257.1

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198257 unedited NGTTCGAATTTGTATACGACTCACTATAGGCGGCCCGGATTCCGGCAGGAGGGAGAGGCG GGCCGGGCGACTTGAGATCCGCGGGTCTCCCTCCTCTTTTTCCGTCTGCGTCGGGAGCTC CCGGGCACGTGAGGCCGTGCCGCTTTACTGGCGGGCGGACGGCCTAGCCGGGCGGCGC CTCGGAGGAAGCCGCGGACCCCTTAGGTGCTGGGCCCTTGAAATCGGCGCGTGGGGGGC GGTGCTCGAGCTGAGCGGAGAGGGCGGAGAGCTCGTGGGTGCGAGGGGAGCAGGACG CCCGGCCGGGCGCATGAGTCAGCAGCGGCCGGCGAGGAAGTTACCCAGTCTCCTCCTGG ACCCGACGGAGGAGACGGTTCGCCGTCGGTGCCGAGACCCCATCAACGTGGAGGGCCTGC TGAAGCTCTAAAAGTGAAGAGACCTCGTTTTGATGTATCGCTGGTTTATTTAACTCGAAA ATTTATGGATCTTGTCAGATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAAC GAAACTGGGAGTCCGAAAGCGGAGAGTGTATGACATCACCAATGTCTTAGATGGAATCGA CCCTCGTTGAAAAGAAAATCCAAGAACCATATTACATGGATAGGATCTGATCTTAGCAATT TTGGAGCAGTTCCCCACAAAAGAAGCTACAGGAGGAACCTTCTGACTTATCAGCAATGG AAGATGCTTTGGATGAACATAATTAACGATTGTGCTCACCAGCTGTTTGGATTACCAGATG ACCCAGCACAGGAAAGACTACTTATGTGACCTATCCAGACATTCTAGCCTTTANGCCTTC CATGAACAGATCGCCCTTTGCAAGTCAAGCTCCAGCCGAACCAGACTTGGGTGGTCCCAG CTCCACAACAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_198257 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTTCAGACATTTATTGAGCACTTCTTAAGGG CCAGGCATGGTGTGAGGCACTGGGATGTAAACAGTGATTATGACAAAGTCCCTCAAGGAGC TCACAGTCTAATGGTAAACTACAGAGTAAACTGAGGCACAGAGTGGTAAATGACTTACCC AATGAGGTAGAAACAGCTAGGTATGTGAAAATGTGGGAGCAGAGCTGGAGAGAGGGCAAG GTACAACCTTGCTAAGTAAAACCCCTTGACTGACTCAACAGCAAGGCTGCATACACAA ACATTACAAAATCTACTTGCAAAAACCTGAAAGGAGTTTCCAATTATCACCATGACTGAA TTCATGTTTTACAATGAATTCAGCTATTTCTGATGGCATTCTATCCTTGCCCCAAAG CCTACTGGGCATGCCACCACTGCTGCTGGGAGACAGCAATTAGGTAGACAGCTTAAAACCAA GAAGTATCTGACTCCAATTTTAGCACTGAAAACCATATTTAAAATACTTTAATTAATCCAA CAACATAAAATGTGTAGCACATTTATGATACTTCTACATGTAGAAGTTTGGAAAAAGTCT CTTCTACCCTCATCCAGAGATTCTAATAAGTTTAGATACCAAGAGATAGAGAATTGTCTG CACTTTCATAATACATATTTTGCTGTCANGGGGAAAATGTACCTAAACTATTTTCGAGTAT CTCACCTTTCCGATTATCCAAACTCCCTTTAATCTGTGACCTTTTGAAGTACAAAGTA CTGCAACGTGAACAGGGAAGAATTCTTTGGGAAATGACATCCCCTGAGGAAGGTAAAGCC CAAGAACGGCTTCCACCGACGTTTGTCTAACTTGGAGAAGCTTTTAGGGCAATTCTTTCC TGACAACCTGATATTTAAGGGTTTTTATGGAACCTTCTATTTAGGGATCCAAAACCTCG CCGAGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_198257
Insert Size:	2380 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:	<ol style="list-style-type: none"> 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:	<u>NM_198257.1, NP_937988.1</u>
RefSeq Size:	2287 bp
RefSeq ORF:	117 bp
Locus ID:	1876
Cytogenetics:	2p25.1
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a member of a family of transcription factors that play a crucial role in the control of the cell cycle. The protein encoded by this gene lacks the transactivation and tumor suppressor protein association domains found in other family members, and contains a modular suppression domain that functions in the inhibition of transcription. It interacts in a complex with chromatin modifying factors. There are pseudogenes for this gene on chromosomes 22 and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Transcript Variant: This variant (e) lacks an alternate exon, compared to variant a, that causes a frameshift. The predicted isoform (3) is shorter at the N-terminus compared to isoform 1. Variants c, d, and e all encode isoform 3.