

Product datasheet for **SC334454**

E2F6 (NM_001278277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2F6 (NM_001278277) Human Untagged Clone
Tag:	Tag Free
Symbol:	E2F6
Synonyms:	E2F-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278277, the custom clone sequence may differ by one or more nucleotides

ATGGATCTTGTCAGATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAACGAACTGGGAGTCC
 GAAAGCGGAGAGTGTATGACATACCAATGTCTTAGATGGAATCGACCTCGTTGAAAAGAAATCCAAGAA
 CCATATTAGATGGATAGGATCTGATCTTAGCAATTTGGAGCAGTTCCCCAACAAAGAAGCTACAGGAG
 GAACTTTCTGACTTATCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTCTCAGCAGCTGT
 TTGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGCATTCA
 GGCCTTCCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCAGCTCCC
 AGAGAAGACTCTATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCTATTTGTGTGAAGTGG
 AGCAGGGTCAGACCAGTAACAAAGGTCTGAAGGTGTCGGGACCTCTTCATCTGAGAGCACTCATCCAGA
 AGGCCCTGAGGAAGAAGAAAATCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGCAACTGA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278277
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).


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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_001278277.1](#), [NP_001265206.1](#)

RefSeq Size: 3450 bp

RefSeq ORF: 621 bp

Locus ID: 1876

UniProt ID: [O75461](#)

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 (d) contains two alternate exons and initiates translation at a downstream in-frame start codon, compared to variant a. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Variants c, d, and e encode the same isoform (3).
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.