

Product datasheet for **SC319576**

E2F4 (NM_001950) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2F4 (NM_001950) Human Untagged Clone
Tag:	Tag Free
Symbol:	E2F4
Synonyms:	E2F-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001950.3
 GCGGCGGGCGGGCGCATGGCGGAGGCCGGGCCACAGGCGCCGCCGCCCCGGGCACTCC
 AAGCCGGCAGAAAAGAGCCTGGGACTGCTCACCACCAAGTTCGTGTCCCTTCTGCAGGA
 GGCCAAGGACGGCGTGTGACCTCAAGCTGGCAGCTGACACCCTAGCTGTACGCCAGAA
 GCGGCGGATTTACGACATTACCAATGTTTTGGAAGGTATCGGGCTAATCGAGAAAAAGTC
 CAAGAACAGCATCCAGTGAAGGGTGTGGGGCCTGGCTGCAATACCCGGGAGATTGCTGA
 CAAACTGATTGAGCTCAAGGCAGAGATCGAGGAGCTGCAGCAGCGGGAGCAAGAACTAGA
 CCAGCACAAAGGTGTGGGTGCAGCAGAGCATCCGGAACGTACAGAGGACGTGCAGAACAG
 CTGTTTGGCCTACGTCACTCATGAGGACATCTGCAGATGCTTTGCTGGAGATACCCTCTT
 GGCCATCCGGGCCCATCAGGCACCAGCCTGGAGGTGCCATCCCAGAGGGTCTCAATGG
 GCAGAAGAAGTACCAGATTACCTGAAGAGTGTGAGTGGTCCCATTGAGGTTCTGCTGGT
 GAACAAGGAGGCATGGAGCTCACCCCTGTGGCTGTGCCTGTGCCACCACCTGAAGATT
 GCTCCAGAGCCCATCTGCTGTTTCTACACCTCCACCTCTGCCAAGCCTGCCCTAGCCCA
 GTCCCAGGAAGCCTCACGTCAAATAGTCTCAGCTCACTCCACTGCTGTCCCTGGCAG
 TGCAGAAGTCCAGGGAATGGCTGGCCAGCAGCTGAGATCACAGTGAGTGGCGGCCCTGG
 GACTGATAGCAAGGACAGTGGTGAAGTCACTCCACTGGGCCCAACAACACTGGA
 CACCCGGCCACTGCAGTCTTCTGCCCTGCTGGACAGCAGCAGCAGCAGCAGCAGCAGCAG
 CAGCAGCAGCAGCAACAGTAACAGCAGCAGTTCGTCCGGACCCAAACCCTTCTACCTCCTT
 TGAGCCCATCAAGGCAGACCCCAAGGTGTTTTGGAAGTCCCAAGAGCTGTCAGAAAT
 CTTTGATCCCACAGAGAGTGCATGAGCTCGGAGCTGCTGGAGGAGTTGATGTCTCAGA
 AGTGTTTGCCCTCTGCTTCGTCTTTCTCACCCCGGGAGACCAGATTATATCTACAA
 CCTGGACGAGAGTGAAGGTGTCTGTGACCTTTTGTGATGTGCCTGTTCTCAACCTGACT
 GACAGGGACATGCCCTGTGTGGCTGGGACCCAGACTGTCTGACCTGGGGGTTGCCTGGG
 ACCTCTCCACCCGACCCCTACAGAGCTTGAGAGCCACAGACGCCTGGCTTCTCCGGCCT
 CCCTCACCGCACAGTTCTGGCCACAGCTCCCGCTCCTTCTGGCACTTCTGTGCTCGCA
 GAGCAGGGGAACAGGACTCAGCCCCATCACCGTGGAGCCAAAGTGTTCCTTCTCCCTT
 TCTGCGGCCTTCGCCAGCCAGGCTCGGCTGCCACCCAGTGGCACAGAACCGAGGAGCTG
 CCATTACCCCCATAGGGGGCAGTGTCTTGTTCCTGCCAGCCTCAGTGTCTTGTCTTGC
 CAGCTCCTTCCCCTAGGAGGGAAGGGTGGGGTGGAACTGGGCACATGCCAGCACCCTTC
 TAGTTCCTTCGCTATCCCCACCCCTGACCCTCCAGCTCCTCCTGGCCCTCTCACGTG
 CCCACTTCTGCTGGGCCTTTAGCCCTAGAACCTGCAGGTGGTGGGGCGGCTACCAAGAA
 GGAACAGAGGTCTCTGGGAGGAGTCTGGGTGGTCCAGCCCTGATGATTGGCCCCACCTC
 CTGCTGCCCCATAAACCTCTCTTCATTTTCGGCTTTTTTCATTTACCTCATTAGAGCCAT
 TTGCAGAGATTTAGAAAGATTTACAGTAACGAATGGATTCTATATAAGATTATTTTTA
 TACTTTTTGCAGCAAAAGGAAATTGTAATATTTGTACAGTGTTCAGTGAATAAAAACCA
 TGCCTAAGGCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001950

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_001950.3 , NP_001941.2
RefSeq Size:	2100 bp
RefSeq ORF:	1242 bp
Locus ID:	1874
UniProt ID:	Q16254
Cytogenetics:	16q22.1
Domains:	E2F_TDP
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Cell cycle, TGF-beta signaling pathway
Gene Summary:	<p>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 binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq, Jul 2008]</p>