

Product datasheet for **RC239069**

E4F1 (NM_001288778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4F1 (NM_001288778) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E4F1
Synonyms:	E4F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239069 representing NM_001288778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGGGCGCGATGGCAGTGGGGTGACGGCCGCTCATACGGCAGAAGCCCAGGCCGAAGCCGGGCGGG
 AAGCGGGCGAGGGTGAGTTGCGGCGGTGGCGGCGCCTTGCCCCCAGCGGCTTCCTCGGCCTCCCGGC
 GCCCTTACAGCAGGAAGATGAGGACGATGTGCACAGATGCGGCCGCTGCCAGGCAGAGTTACCGCCTTG
 GAGGATTTTGTTCAGCACAAGATTGAGAAGGCTGCCAGCGGGCCCTCCGAGGCCCTGCCTGCCACCC
 CTGCCACCACAGCGTTGCTGGGCCAGGAGTGGTCCGGCAGCAGCAGGCCAGAGGAGCCCATCACTGT
 GGCCACATCGTGGTGGAGGCGGCTCTCTGGCAGCAGACATCAGCCACGCATCTGACCTTGTGGTGGT
 GGGCACATCAAAGAGGTATCGTGGCTGCTGAGGCGGAGCTGGGAGACGGTGAGATGGCCGAGGCCCGG
 GCAGCCCCCAGCAGGGGCTGGGCTCGCAGGGGAGGTGAGCAGGCCAGGTGAAGCTACTGGTGAA
 CAAGGATGGCCGCTATGTGTGTCGCTGTGCCACAAGACCTTCAAGACGGGCAGCATCTCAAGGCCAC
 ATGGTCACTCACAGCAGCCGCAAGGACCAGAGTGCAAGCTCTGTGGGGCTCTTCCGACCAAGGGCT
 CACTCATCCGGCACCCAGGCGGCACACGATGAGCGCCCTACAAGTGCTCCAAGTGTAAGAGGCTT
 CCGGGAGTCGGGTGCACTGACCCGGCACCTCAAGTCTCTACCCCTGCACAGAGAAAATCCGCTTCAGT
 GTGAGCAAGGACGTGGTTGTGAGCAAGAGGACGACGTGCAGGTTCTGGAGCTGGAGCTGCCGGCTTG
 GGACAGCCACATCATCGGTGACAGGCGAGCCTATAGAGACTTCACCCGTGATTACCTGGTGACAGATGC
 CAAGGGCACCGTCATCCACGAAGTCCACGTCCAGATGCAGGAGCTGTCCCTGGGCATGAAAGCCCTGGCC
 CCAGAGCCCCCGTCTCCAGGAGCTCCCTGCTCCAGCGAGGGCAGCCGTGAGAACCTGCTGCACCACT
 TCTGCAGCCGTGGCTTCCGAGAGAAGGGCTCACTGGTGGCGCAGTGGCAGCACCACAGGCGAGAAGCC
 GTTCAAGTGCTACAAGTGGCGCCGTGGCTTCGCCGAGCAGGCGACGCTGAACCGGCACCTGCGCACCAAA
 GGGGGCTGCCTGCTGGAGGTGGAGGAGTTGCTGGTGTCTGAGGACAGCCCGCGGAGCCACCACCGTCC
 TCACGGAAGACCCGCACACAGTGTGGTGGAGTTCTCGTCCGTGGTAGCTGACACCCAGGAGTATATCAT
 CGAGGCCACTGCGGACGATGCGGAGACCAGTGAAGGCCAGGAGATCATGAGGGCACCCAGACAGAGGTG
 GACAGCCACATCATGAAGGTGGTGCAGCAGATCGTGCACAGGCTAGCGCCGCCACCAGATCATCGTGC
 AGAACGTACCATGGACGAGGAGACGGCGCTGGGCCAGAGGCGGCTGCCGCCGACCATCACCATCGC
 CACCCCCGAGAGCCTGACAGAGCAGGTGGCCATGACGCTGGCCTCGGCCATCAGCGAGGGCACTGTGCTT
 GCCGCCCCGGGAGGACAAGTGGCACTGAACAGGCCACTGTGACCATGGTGTATCAGAGGACATCGAGA
 TCCTGGAGCATGACAGGCGAGCTGGTATCGCCTCGCCGAGGGCCAGCTGGAGGTGCAGACGGTCATCGT
 C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239069 representing NM_001288778
 Red=Cloning site Green=Tags(s)

MEGAMAVRVTAHTAEAEAGREAGGAVAATAALAPSGFLGLPAPFSEDEDDVHRCGRCAEFTAL
 EDFVQHKIQKACQRAPEALPATPATTALLGQEVVPAAPGPEEPITVAHIVVEAASLAADISHADLVGG
 GHIKEVIVAAEELGDGEMAEAPGSPHQQLGLAGEGEQAQVKLLVNKDRYVLCALCHKTFKTSILKAH
 MVTHSSRKDHECKLGCASFRTKGLIRHRRHTDERPYKSKCGKSFRESGALTRHLKSLTPCTEKIRFS
 VSKDVVVSKEDARAGSGAGAAGLTATSSVTGEPIETSPVIHLVTDAGTVIHEVHVQMQLSLGGMKALA
 PEPPVVSQELPCSSEGSRENLLHQFCSRGRFEGKSLVRHVRHHTGEKPKYKCGRGAEHGTLNRHLRTK
 GGCLLEVEELLVSEDSPPAAATTLTEDPHTVLVEFSSVADTQEYIIETADDAETSEATEIIEGTQTEV
 DSHIMKVQIVHQASAGHQIIVQNVMTDEETALGPEAAAADTITATPESLTEQVAMTLASAISEGTVL
 AARAGTSGTEQATVTMVSSIEDIEILEHAGELVIASPEGQLEVQTVIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288778

ORF Size: 1821 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

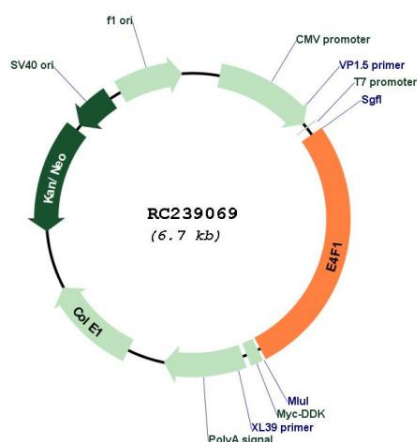
RefSeq: [NM_001288778.1](#), [NP_001275707.1](#)

RefSeq Size: 2135 bp

RefSeq ORF: 1824 bp

Locus ID:	1877
UniProt ID:	Q66K89
Cytogenetics:	16p13.3
Protein Families:	Transcription Factors
MW:	64.5 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]

Product images:



Circular map for RC239069