

Product datasheet for **MC228926**

E4f1 (NM_001301784) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4f1 (NM_001301784) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E4f1
Synonyms:	p120E4F; phi-AP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228926 representing NM_001301784
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGCGCGATGGCAGTGCGGGTGACGGCCGCTCATACGGCAGAAGCCCGGGCCGAAGCCGGGCGTG
 AAGCGGGCGAGGGCGGGTTGCGGCGGGCGGCCCTTGCTCCGCGGGCTTCTTGGGCTCCCAGCGCC
 CTTCCAGCGAGGAAGATGAGGACGATGTGCACAGATGTGGCCGCTGCCAAGTGAATTCACTGCCTTGGAG
 GACTTTGTCCAGCACAAGATTCAGAAGACCTGCCATCGGGCCCCGAGGAGGCCCTGCCACCACCCTG
 CTGCCACTGCACTGCTGGACCAGGAGGTGGTCCACAGCAGCAGAGGGAGGTCCAGATGAACCCATCAC
 TGTGGCTCACATCGTGGTGGAGGCCACCTCTAGCAGAAGACATCAGCCACGCTCTGACCTTGTGGAA
 AGTGGGCACATCAAAGAGGTCATTGTGGCTGCTGAGGCAGAGCCAGGGGATGTCGAGATGGCAGAGGCTC
 CAGGCAGTCTAATCATCAGGAACCTGGGCTTCTTGGGGAGGGCAGCAGGCCCATGTCAAGCTGCTGGT
 GAACAAGGAAGGCCGCTACGTGTGCATGCTATGTCACAAGACCTTCAAAACGGGCAGCATCTCAAGGCC
 CACATGGTAACGCACAGCAGCCGAAGGACCACGAGTGAAGCTCTGTGGGGCCTTTTTCGGACCAAGG
 GCTCTCTCATCCGGCACCACCGACGGCACACTGATGAGCGCCCTACAAATGTGCCAAGTGTGAAAAGAG
 TTTCCGAGAGTACGGCGCACTGACTCGGCACCTCAAATCTCTCACTCCATGCACAGAAAAGATCCGCTTC
 AGCATAAGCAAGGACACAGCTGTGGCAAGAGGAAGTGCCTGCAGGGTCCAGTGCCTCCACTGTGGGGA
 CGGTGACATCATCAGTGGCAGGAGACCCCATGGAGACATCACCTGTGATTCACCTGGTGACAGATGCCAA
 GGGTACTGTATCCATGAAGTCCACGTCCAGATGCAGGAGCTTCCCCTGGGCATGAAAGCCCTGACCCCA
 GAGTCCCAGACTCGGAGGAGCTCCCCTGTTCCAGTGAGAACAGCCGTGAGAACCTGCTACATCAGGCCA
 TGCAGAATTCTGGCATCGTCTTGAGAGGTTGCTGGAGAGGAGAGTCTGAGGCCAGCCCTCCCTC
 TGGGTCCAGTCCCAGTGCCTGGGAGATGGGTCCCTGAACTGCCTCTGCTGAAGGTGGAGCAGATAGAG
 ACACAGGTGGCCAGTGGAGCCGCCACCGTGCAGGACCCACCCGTGCCCTCAGTGCAGTGGAGACTTTCC
 CAACAGCAGCCACGCTGGAGGCCACAAGAGAGGTACATAGCGCCGAGGCGGTTACCTGCACACAGTG
 TGGCAAGGCCCTCCCAAAGCCTACCTGCTCAAGAAGCACCAGGAGGTGCACGTGCACGAGCGCCGCTTC
 CGTTGTGGAGACTGTGGGAAGCTTTACAAGACCATCGCTCATGTGCGGGGCCACCGCGTGTTCACCTCAG
 ACGAGAGGCCCTTCCCTGTCCCAGTGCAGCAAGCGTTACAAAACCAAGAATGCCAGCAAGTACACTT
 CCGGACACACCTGGAAGAAAAGCCACAGTGTGCCAGTCTGCAGCCGAGGCTTCCGGGAGAAGGGCTCT
 CTGGTGCAGCATGTGAGGCACCACAGGCGAGAAACCTTCAAGTGTACAAGTGTGGCCGTGGCTTCG
 CGGAGCATGGCACACTCAACCGGCACCTGCGCACTAAAGGGGGCTGCCTGCTAGAAGTGGAGGAGTGTCT
 GGTGTCTGAGGAGAGCCCTTCTGCGGCTGCCACTGTGCTTGCAGAAGACCCACACCGTGTGGTGGAG
 TTCTCTGCTGTGGTAGCTGATACCAAGAGTACATTATTGAGGCCACTGCAGATGACACAGAGACCAGTG
 AAGCCACCAGATCATTGAGGGCACGCAGACAGAGGTGGACAGTACATCATGAAGTGGTCCAGCAGAT
 CGTGCACCAGGCTGGTGTGGGCACCAGATCATCGTGCAGAAATGTCACCATGGACCAGGAGACAGCACTG
 GGTTCGGAGGCAACTGCTGCAGACACGATCACCATTGCCACTCCTGAGAGTCTTACTGAGCAGGTGGCCA
 TGACACTGGCTTCAGCGATCAGTGGGGTACTGTGCTCACAGCCCGGGCAGGTCCAAACAGTACTGAACA
 GGCCACTGTGACAATGGTGTATCAGAGGACATAGAGATCCTTGAGCACGGAGGAGAGCTGGTATTGCT
 TCACCAGAGGGCCAGCTTGAGGTACAGACGGTTCATCGTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301784
Insert Size: 2352 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301784.1, NP_001288713.1</u>
RefSeq Size:	2669 bp
RefSeq ORF:	2352 bp
Locus ID:	13560
UniProt ID:	<u>Q8CCE9</u>
Cytogenetics:	17 12.39 cM
Gene Summary:	This gene encodes a member of the GLI-Kruppel zinc finger family. The encoded protein is likely to be multi-functional, with both adenovirus E1A-regulated transcription factor and ubiquitin E3 ligase activities, including roles in cell cycle regulation and the ubiquitination of p53. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).