

## Product datasheet for **MC221556**

### **E4f1 (NM\_007893) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E4f1 (NM_007893) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E4f1
Synonyms:	p120E4F; phi-AP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221556 representing NM\_007893  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGCGCGATGGCAGTGGGGTGACGGCCGCTCATACGGCAGAAGCCCGGGCCGAAGCCGGGCGTG  
 AAGCGGGCGAGGGCGGGTTGCGGCGGGCGGCCCTTGCTCCCGCGGCTTCTTGGGCTCCAGCGCC  
 CTTCCAGCGAGGAAGATGAGGACGATGTGCACAGATGTGGCCGCTGCCAAGTGAATTCACTGCCTTGGAG  
 GACTTTGTCCAGCACAAGATTCAGAAGACCTGCCATCGGGCCCCGAGGAGGCCCTGCCACCACCCTG  
 CTGCCACTGCACTGCTGGACCAGGAGGTGGTCCACAGCAGCAGAGGGAGGTCCAGATGAACCCATCAC  
 TGTGGCTCACATCGTGGTGGAGGCCACCTCTAGCAGAAGACATCAGCCACGCTCTGACCTTGTGGAA  
 AGTGGGCACATCAAAGAGGTCATTGTGGCTGCTGAGGCAGAGCCAGGGGATGTCGAGATGGCAGAGGCTC  
 CAGGCAGTCTAATCATCAGGAACCTGGGCTTCTTGGGGAGGGCAGCAGGCCCATGTCAGCTGCTGGT  
 GAACAAGGAAGGCCGCTACGTGTGCATGCTATGTCACAAGACCTTCAAAACGGGCAGCATCTCAAGGCC  
 CACATGGTAACGCACAGCAGCCGAAGGACCACGAGTGAAGCTCTGTGGGGCCTTTTTCGGACCAAGG  
 GCTCTCTCATCCGGCACCACCGACGGCACACTGATGAGCGCCCTACAAATGTGCCAAGTGTGAAAAGAG  
 TTTCCGAGAGTACGGCGCACTGACTCGGCACCTCAAATCTCACTCCATGCACAGAAAAGATCCGCTTC  
 AGCATAAGCAAGGACACAGCTGTGGCAAGAGGAAGTGCCTGCAGGGTCCAGTGCCTCCACTGTGGGGA  
 CGGTGACATCATCAGTGGCAGGAGACCCATGGAGACATCACCTGTGATTCACCTGGTGACAGATGCCAA  
 GGGTACTGTATCCATGAAGTCCACGTCCAGATGCAGGAGCTTCCCTGGGCATGAAAGCCCTGACCCCA  
 GAGTCCCAGACTCGGAGGAGCTCCCTGTTCCAGTGAGAACAGCCGTGAGAACCTGCTACATCAGGCCA  
 TGCAGAATTCTGGCATCGTCTTGAGAGGTTGCTGGAGAGGAGAGTCTGAGGCCAGCCCTCCCTC  
 TGGGTCCAGTCCCAGTGCCTGGGAGATGGGTCCCTGAACTGCCTCTGCTGAAGGTGGAGCAGATAGAG  
 ACAGTGGCCAGTGAAGCCGCCACCGTGCAGGACCCACCCGTGCCCTCAGTGCAGTGAAGCTTTCCCAA  
 CAGCAGCCACGCTGGAGGCCACAAGAGAGGTCACATAGCGCCGAGGCCGTTACCTGCACACAGTGTGG  
 CAAGGCCCTTCCCAAAGCCTACCTGCTCAAGAAGCACCAGGAGGTGCACGTGCACGAGCGCCGCTTCCGT  
 TGTGGAGACTGTGGGAAGCTTTACAAGACCATCGCTCATGTGCGGGGCCACCGCGTGTTCCTCAGACG  
 AGAGGCCCTTCCCTGTCCCCAGTGCAGCAAGCGTTACAAAACCAAGAATGCCAGCAAGTACACTCCG  
 GACACACCTGGAAGAAAAGCCCCACGTGTGCCAGTCTGCAGCCGAGGCTTCCGGGAGAAGGGCTCTCTG  
 GTGCGGCATGTGAGGCACCACACAGGCGAGAACTTTCAAGTGTACAAGTGTGGCCGTGGCTTCGCGG  
 AGCATGGCACACTCAACCGGCACCTGCGCACTAAAGGGGCTGCCTGCTAGAAGTGGAGGAGTTCGCTGGT  
 GTCTGAGGAGAGCCCTTCTGCGGCTGCCACTGTGCTTGCAGAAGACCCCAACCCGTGCTGGTGGAGTTC  
 TCGTCTGTGGTAGCTGATACCAAGAGTACATTATTGAGGCCACTGCAGATGACACAGAGACCAGTGAAG  
 CCACCGAGATCATTGAGGGCACGCAGACAGAGGTGGACAGTCCATCATGAAGGTGGTCCAGCAGATCGT  
 GCACCAGGCTGGTGTGGCACCAGATCATCGTGCAGAAATGTCACCATGGACCAGGAGACAGCACTGGGT  
 TCGGAGGCAACTGCTGCAGACACGATCACCATTGCCACTCTGAGAGTCTTACTGAGCAGGTGGCCATGA  
 CACTGGCTTCCAGCATCAGTGAAGGACTGTGCTCACAGCCGGGCGAGGTCCAAACAGTACTGAACAGGC  
 CACTGTGACAATGGTGTATCAGAGGACATAGAGATCCTTGAGCACGGAGGAGAGCTGGTCATTGCTTCA  
 CCAGAGGCCAGCTTGAGGTACAGACGGTATCGTATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_007893  
**Insert Size:** 2349 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007893.4</a> , <a href="#">NP_031919.2</a>
<b>RefSeq Size:</b>	2666 bp
<b>RefSeq ORF:</b>	2349 bp
<b>Locus ID:</b>	13560
<b>UniProt ID:</b>	<a href="#">Q8CCE9</a>
<b>Cytogenetics:</b>	17 12.39 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>