

Product datasheet for **MR208562**

E4f1 (BC071228) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4f1 (BC071228) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR208562 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGACGATGTGCACAGATGTGGCCGCTGCCAAGTGAATTCAGTGCCTTGGAGGACTTTGTCCAGCA
 CAAGATTCAGAAGACCTGCCATCGGGCCCGCAGGAGGCCCTGCCACCACCCCTTGCCACTGCACTGCT
 GGACCAGGAGGTGGTGCACAGCAGCAGAGGGAGGTCCAGATGAACCCATCACTGTGGCTCACATCGTG
 GTGGAGGCCACCTCTCTAGCAGAAGACATCAGCCACGCTCCTGACCTTGTGGAAGTGGGACATCAAAG
 AGGTCAATTGTGGCTGCTGAGGCAGAGCCAGGGATGGCGAGATGGCAGAGGCTCCAGGCAGTCTAATCA
 TCAGGAACTTGGGCTTCTGGGGAGGGCAGCAGGCCATGTCAAGCTGCTGGTGAACAAGGAAGGCCGC
 TACGTGTGCATGTATGTACAAGACCTTCAAACGGGCAGCATCCTCAAGGCCACATGGTAACGCACA
 GCAGCCGAAGGACCACGAGTCAAGCTCTGTGGGCTCTTTTCGGACCAAGGGCTCTCTCATCCGGCA
 CCACCGACGGCACACTGATGAGCGCCCTACAAATGTGCCAAGTGTGAAAGAGTTTCCGAGAGTCAAGC
 GCACTGACTCGGCACCTCAAATCTCTCACTCCATGCACAGAAAAGATCCGCTTACAGATAAGCAAGGACA
 CAGCTGTGGGCAAGAGGAAGTGCCTGCAGGGTCCAGTGCCTCCACTGTGGGGACGGTGACATCATCAGT
 GGCAGGAGACCCATGGAGACATCACCTGTGATTACCTGGTGACAGATGCCAAGGGTACTGTATCCAT
 GAAGTCCACGTCCAGATGAGGAGCTTCCCCTGGGCATGAAAGCCCTGACCCAGAGTCCCAGACTCGG
 AGGAGCTCCCCTGTTCCAGTGAGAACAGCCGTGAGAACCTGTACATCAGGCCATGCAGAATTCTGGCAT
 CGTCTTGAGAGGGTTGCTGGAGAGGAGTGTCTGGAGCCAGCCCCTCCCTCTGGGTCAGTCCCAG
 TGCTCGGGAGATGGATCCCCTGAACTGCCTCTGCTGAAGGTGGAGCAGATAGAGACACAGGTGGCCAGTG
 AGGCCCGCACCGTGGCCAGGACCACCCCTGCTCAGTGCAGTGAAGTTCACCAAGCAGCAGCCAGT
 GGAGGCCACAAGAGAGGTCACATAGTGTGGCAAGGCCTTCCCCAAGCCCTACCTGCTCAAGAAGCACCA
 GGAGGTGCACGTGCACGAGCGCCGCTTCCGTTGTGGAGACTGTGGGAAGCTTTACAAAGCATCGCTCAT
 GTGCGGGGCCACCGCGTGTCACTCAGACGAGAGGCCTTCCCTTGTCCCAGTGCAGCAAGCGTTACA
 AAACCAAGAAATGCCAGCAAGTACACTTCCGGACACATCTGGAAGAAAAGCCCCACGTGTGCCAGTTCTG
 CAGCCGAGGCTTCCGGGAGAAGGGCTCTCTGGTGCAGCATGTGAGGCACCACACAGGCGAGAAACCTTTC
 AAGTGCTACAAGTGTGGCCGTGGCTTCGCGGAGCATGGCACACTCAACCGGCACCTGCGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208562 protein sequence
 Red=Cloning site Green=Tags(s)

MRTMCTDVAAAKWNSLPWRTLSSSTRFRPAIGPRRRPCPPPLATALLDQEVVPTAAEGGPDEPITVAHIV
 VEATSLAEDI SHAPDLVSGSHIKEVIVAAEAEPDGMEEAPGSPNHQELGLLGEGEQAHVKLLVNKEGR
 YVCMCHKTKFTGSILKAHMVTHSSRKDHECKLGCASFRTKGS LIRHRRHTDERPYKCAKCGKSFRESG
 ALTRHLKSLTPCTEKIRFSISKDTAVGKEEVPAGSSASTVGTVTSSVAGDPMETSPVIHLVTDKGTVIH
 EVHVQMQLPLGMKALTPESPDSEELPCSSENSRENLLHQAMQNSGIVLERVAGEESAEPAPPSGSSPQ
 CLGDGSPPELLLKVEQIETQVASEAATVPRTHPCQCSETFPTAATLEAHKRGHIVWQGLPQSLPAQEAP
 GGARARAPLPLWRLWEALQDHRSCAGPPACSLRREAFPLSPVRQALQNQECBPASTLPDTSGRKAPRVPVL
 QPRLPGEGLSGAAACEAPHRRETQVQLQVWPWLRGAWHTQPAPAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC071228

ORF Size: 1602 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.

RefSeq: [BC071228](#), [AAH71228](#)

RefSeq Size: 2551 bp

RefSeq ORF: 1604 bp

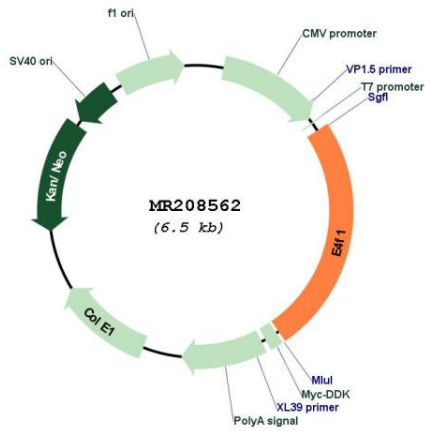
Locus ID: 13560

Cytogenetics: 17 12.39 cM

MW: 57.6 kDa

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]

Product images:



Circular map for MR208562