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Product datasheet for MC216107

E2f3 (NM_010093) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2f3 (NM_010093) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E2f3
Synonyms:	E2f3a; E2F3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC216107 representing NM_010093
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAAAGGGGATCCAGCCCGCCCTGGAGCAGTACCTGGTGACCGCCGGGGGTGGGGAGGGGGCGGCTG
TCGTCGCCGCCGCCGCTGCAGCCTCCATGGACAAAAGGGCACTGCTAGCCAGCCCCGGCTTCGCCGCCGC
CGCCGCCCCGGGCACGTACATCCAGATCCTCACTACGAACCCTTCCACCACGTCCTGTGCCACCTCCCTC
CAAAGTGGCGCCCTGACCGCCGGCCCCCTTCTCCCCAGTGTCCCCGGCACGGAGCCGGCCGCCAGCAGCC
TCTACACCACGCCACAAGGACCCTCCAGCAGAGTCGGGCTGCTGCAGCAGCCACCAGCACCAGGACGCGG
CGGCGGCGGTGGCCCACCGGCAAAGCGAAGGCTGGAACTGGGCGAGAGTGGCCATCAGTACCTCTCAGAT
GGTCTAAAGACCCCCAAGGGCAAAGGAAGAGCTGCACTACGGAGTCCCGATAGTCCAAAAACTCCAAAAT
CTCCCTCAGAAAAAACGCGGTATGATACGTCCCTCGGTCTGCTCACCAAGAAGTTCATTCAGCTCCTGAG
CCAGTCTCCTGATGGGGTCCTGGATCTGAACAAGGCAGCAGAGGTGCTCAAGGTGCAGAAGAGGAGGATT
TACGACATCACCAACGTGCTGGAAGGCATCCACCTCATTAAGAAGAAGTCTAAGAACAACGTCCAGTGGA
TGGGCTGCAGTCTGTCTGAGGATGGGGGCATGCTGGCCCAGTGTCAAGGCCTGTCCAAAGAAGTGACTGA
GCTCAGTCAGGAAGAGAAGAAATTAGATGAGCTGATCCAAAGCTGTACCCTGGACCTCAAACTGTTAACC
GAGGATTCAGAGAATCAAAGGTTAGCTTATGTTACATATCAAGATATTCGAAAAATTAGTGGCCTTAAAG
ACCAAACTGTTATAGTTGTGAAAGCCCCTCCAGAAACGAGACTTGAAGTGCCTGACTCAATAGAGAGCCT
ACAAATCCATTTGGCAAGTACCCAAGGGCCCATTGAGGTTTACTTGTGTCCAGAAGAGACGGAAACACAC
AGACCCATGAAAACAAATAACCAAGACCACAATGGGAATATCCCCAAGCCCACTTCCAAAGACTTGGCTT
CTAACAACTCAGGACATAGTGACTGCTCGGTTTCTACAGCAAACCTCTCTCCTCTGGCCTCCCCAGCCAA
CCTTTTACAGCAGACTGAGGACCAAATCCCGTCCAACCTTGAAGGACCTTTTGTGAACTTACTGCCTCCC
CTGCTCCAAGAGGACTACCTGCTGAGCCTGGGGGAGGAAGAGGGCATCAGTGACCTCTTCGATGCCTATG
ATTTGGAAAAGCTGCCTCTGGTGGAGGACTTCATGTGTAGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1777_c03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_010093

Insert Size: 1374 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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:	NM_010093.3, NP_034223.1
RefSeq Size:	5106 bp
RefSeq ORF:	1374 bp
Locus ID:	13557
UniProt ID:	O35261
Cytogenetics:	13 A3.2
Gene Summary:	Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F3 binds specifically to RB1 in a cell-cycle dependent manner. Inhibits adipogenesis, probably through the repression of CEBPA binding to its target gene promoters (PubMed:20176812). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1, also known as E2f3a) represents the longer transcript and encodes the longer isoform (E2f3a).