

Product datasheet for MC218297

E2f6 (BC019166) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: E2f6 (BC019166) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: E2f6
 Synonyms: EMA, E2F6b
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC019166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCATCAAAAATAAGGATTAATCTAGAAGAAAATGTACAGTATGTGTCCATGAGAAAAGCTCTGAAAG
 TGAAGAGGCCCGGTTTGTATGTGTCCTGATATACTTAACCGGAAGTTTATGGATCTCGTCAGATCTGC
 CCCTGGGGCATTCTTGACTTAAACAAAGTTGCCACAAAAGTGGGTGTTTCGGAAGAGGCGAGTGTATGAC
 ATCACCAATGTCTGGATGGCATCGAACTGGTGGAAAAGAAATCTAAGAACCACATTCGGTGGATAGGAT
 CTGACCTGAACAACCTTTGGGGCCGACCCAGCAGAAAGAAGCTGCAGGCAGAGCTCTCCGACCTGTCGGC
 CATGGAAGACGCCTTGGACGAGTTGATTAAGATTGTGCTCAGCAACTGTTGGAGTTAACAGATGACAAG
 GAAAATGAAAGACTAGCGTATGTAACCTATCAGGATATTCACGGCATTCAAGCTTCCATGAACAGATTG
 TCATTGCAGTGAAGCTCCAGAGGAAACCAGACTGGATGTTCCAGCTCCCAGAGAAGATTCTATCACAGT
 ACATATTAGGAGCACAAAGGACCCATTGATGTATTTGTGTGAAGTAGAACAGAACCAATCAAATGGT
 AAAACCAATGATGGAATAGGAGCCTCTCCATCTAAAAGCAGCCATCCACAATGCCAGAGAAAGAAGACG
 AGCCTCCTCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: BC019166
 Insert Size: 714 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).
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:	BC019166 , AAH19166
RefSeq Size:	2506 bp
RefSeq ORF:	713 bp
Locus ID:	50496
Cytogenetics:	12 8.04 cM
Gene Summary:	Inhibitor of E2F-dependent transcription. Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Has a preference for the 5'-TTTCCCGC-3' E2F recognition site. E2F6 lacks the transcriptional activation and pocket protein binding domains. Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression. May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase (By similarity). [UniProtKB/Swiss-Prot Function]