

## Product datasheet for **RR215692**

### **E2f1 (NM\_001100778) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: E2f1 (NM\_001100778) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: E2f1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR215692 representing NM\_001100778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGTAGCCCCCGGGCGGCCAGCACGCGCCGGCGCTGGAGGCCCTGCTCGGGCGGGCGCGCTGC  
 GGCTGCTCGACTCCTCGCAGATCGTCATCATCTCCACCGCGCCCGATGTCGGCGCCCCGAGGTCCCCAC  
 CGGCCCGCCGCGCCCGCCGCTGGCCCTCGAGATCCTGACGTGCTGCTCTTCGCAACCGCGAGGCGCCC  
 CGACCCGCGCCTAGTGCACCGCGCCCGGCTCTCGGCCCGCCCGGTGAAACGGAGGCTGGATCTGGAAA  
 CTGACCATCAGTACCTTGCTGGTAGCAGCGGGCCATTCCGGGGCAGAGGCCGCCACCCAGGAAAAGTGT  
 GAAATCTCCAGGGGAGAAGTCACGCTATGAGACCTCACTAAATCTGACCACCAAACGCTTCTTGAGAGCTG  
 CTGAGCCACTCAGCTGATGGTGTGTTGATCTGAACTGGGCAGCCGAGGTGCTGAAGGTGCAGAAAACGAC  
 GCATCTATGACATCACCAATGTCCTGGAGGGCATCCAACCTATTGCCAAGAAGTCCAAGAATCATATCCA  
 GTGGCTAGGCAGCCGCACCATGGTGGGGATCGGTGAGCGGCTGAAGGCCTGACCCAGGACCTGCAACAA  
 CTGCAGGAGAGTGAGCAGCAGCTGGATCACCTGATGCACATCTGTACCACTCAGCTGCAACTGCTTTCTG  
 AGGACTCAGACATCCAGCGCCTGGCCTATGTGACCTGCCAAGATCTCCGACGATTGCAGACCCTGCAGA  
 ACAAAATGGTCATAGTGATCAAGGCCCTCTGAGACCAACTACAAGCTGTGGATTCTGCAGAGACATTT  
 CAGATCTCCCTTAAGAGCAAACAAGGCCCATCGATGTTTTCTGTGCCCTGAGGAAAGTGCAGAGGGGA  
 TTAGCCCTGGGAGGACCTCATACAGGAGACATCTGGGGAGGACAGGAATGCTGACTCTGGCACAGCAGG  
 GCCTCCACCATCACCTCCCTCCACATCCCAACCTTGGATCCCAGCCAGTCCCTGTTAGGCTGGAGCAA  
 GAAGCTGTATTGCCTCGAATAGGCAACCTGAGGGCCCCCATGGAAGAAGACCGGTTGTCACCACTGGTGG  
 CTGCTGACTCACTCCTGGAGCATGTTAAAGAAGACTTCTCTGGGCTCCTCCCTGGGGAGTTCATCAGCCT  
 TTCCCCACCCATGAGGCTGTTGACTATCACTTTGGTCTCGAGGAGGGTGAGGGCATTAGAGATCTTTT  
 GACTGTGACTTTGGGGACTTGACCCCTCTGGATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



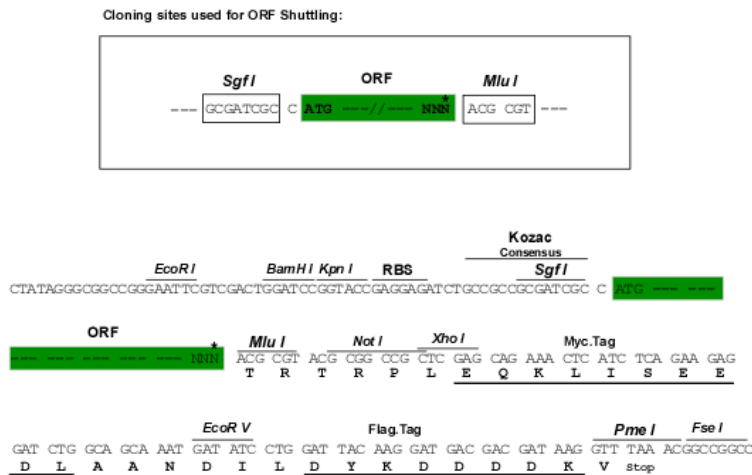
**Protein Sequence:** >RR215692 representing NM\_001100778  
 Red=Cloning site Green=Tags(s)

MAVAPAGQHAPALEALLGAGALRLDSSQIVIIISTAPDVGAPQVPTGPAAPPAGPRDPDVLFFATPQAP  
 RPAPSAPRPALGRPPVKRRDLLETDHQYLAGSSGPFRRGRHPGKGVKSPGEKSRYETSLNLTTKRFL  
 LSHSADGVVDLNWAAEVLKVQKRRYDI TNVLEGIQLI AKKSKNHIQWLGSRTMVGIGQRLEGLTQDLQ  
 LQESEQQLDHLMHICTTQLQLLSESDIQRLAYVTCQDLRSIADPAEQMVIVIKAPPETQLQAVDSAETF  
 QISLKSQKGPIDVFLCPEESAEGISPGRTSYQETSGEDRNADSGTAGPPSPSTPTLDPSQSLGLEQ  
 EAVLPRIGNLRAPMEEDRLSPLVAADSLLEHVKEDFSGLLPGEFISLSPHEAVDYHFGLEEGEGIRDLF  
 DCDFGDLTPLDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001100778

**ORF Size:** 1296 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:** [NM\\_001100778.1](#), [NP\\_001094248.1](#)

**RefSeq Size:** 2643 bp

**RefSeq ORF:** 1299 bp

**Locus ID:** 399489

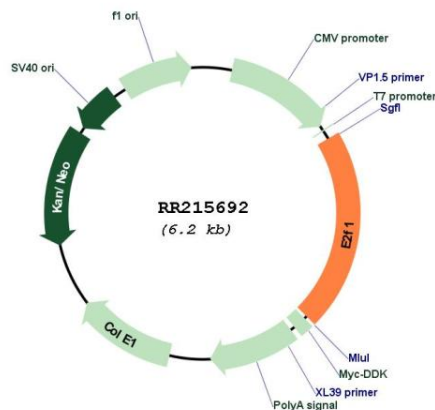
**UniProt ID:** [O09139](#)

**Cytogenetics:** 3q41

**MW:** 46.5 kDa

**Gene Summary:** transcription factor; involved in controlling the G1/S transition of eukaryotic cells [RGD, Feb 2006]

### Product images:



Circular map for RR215692