

## Product datasheet for **MC204172**

### **E2f4 (NM\_148952) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E2f4 (NM_148952) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E2f4
Synonyms:	2010111M04Rik; A1427446
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC026649  
CGACTAGGAACGGAAGCGGAAGTGGCGCCGCCGCCGCCCTCGCCTGGCCTGGCTGAGGGGAGGCGGCGGG  
CGGGCGCGATGGCGGAGGCCGGGCCACAGGCGCCGCCGCCCGGGGACTCCAAGCCGGCACGAGAAGAG  
TCTGGGACTTCTACCACCAAGTTCGTGTGCTCTTGCAGGAAGCCAAGGACGGCGTGCTTGACCTCAAG  
CTGGCAGCCGACACTCTTGTGTGCGCCAGAAACGGCGGATCTACGACATACCAACGTGCTGGAAGGCA  
TCGGTCTGATCGAGAAGAAATCCAAGAACAGCATCCAGTGAAGGGCGTCGGGCCAGGTTGCAATACCCG  
GGAGATCGCTGACAAGCTGATTGAGCTCAAGGCAGAGATCGAGGAGCTGCAGCAACGAGAGCAAGAACTG  
GACCAGCACAAAGGTGTGGGTGCAGCAGAGCATCCGGAATGTCACTGAGGACGTCCAGAACAGCTGCTTGG  
CCTACGTGACTCATGAAGACATCTGCAGATGCTTTGCTGGAGATACCCTCCTTGCCATCCGGGCGCCATC  
GGGCACCAGTCTAGAGGTGCCATCCCAGAGGGTCTCAATGGCCAGAAGAAGTACCAGATTCACTTAAAG  
AGCATGAGTGGGCTATCGAGGTGCTGCTAGTGAACAAGGAGGCTGGAGTTCACCACCTGTGGTGTGC  
CTGTCCCTCCCTGACGATCTACTCCAGAGTCCACCTGCTGTTTCTACACCTCCACCTCTGCCAAGCC  
TGCCTTAGCTCAACCCCAAGAATCCTCTCCTCCAAGCAGCCCCAGCTAACTACCCCACTCCTGTCTT  
GGCAGCACTCAAGTCTCAGAGGTGGCATGCCAGACATCTGAGATTGCAGTGAAGTGGTAGCCCTGGAAGT  
AGAACAAGGACAGTGGTGAAGTCAGCTCACTCCACTGGGCTGCAGCAGTGGACTGGACTCGGCTCTGCA  
GTCTCTGCACTGCTGGATAGTAGTAGCAGCAGCAGCAGCAGCAGTGCAGCAGCAGCAGTTCATCT  
GGACCAACCCCTTCTACCTCCTTTGAGCCCATCAAGCAGACCCACAGGCGTTCTGGATCTCCCAAAAG  
AGCTGTGAGAAATCTTCGACCCACGAGAGAGTGCATGAGCTCCGAGTCTGGAAGAAGTATGCTTTC  
AGAAGTGTTCGCCCCCTCCTCCGACTTCTCCACCTCCCGAGACCACGATTACATCTACAACCTGGAC  
GAGAGTGAAGGTGCTGTGATCTTTGATGTTCTTCTAAACTCTGACTGCAGGGACATGCTCTG  
TGCAGCTGCAACCCAGACTGTCTGGGCTGGAGCCAAGTGGGACTGCCCCCACCCCACTAACCC  
AAGAGCCCAACTTTGGCTTACTCAGCCTTTTCTGGTCTGCTCAGTTCGGGCTGTGCTCTCCTGTCTGCA  
CTGGCACTTGTGACTGTGCTAGCATAGCTGGGCAGAGAGCTTAGCCCTCTCTACATGGAGCTTCCCCAG  
CCAGGCTCAGCTGCCCTCAGTGGCACCTCTGCCTTGTCTACCAGTCACTATGAAGGAGGTTTCAGAGA  
GAGGGTGGTGTGGTGGTTGCCTACCATCACCTTCTTCCACCTGCTCACCTGCAGCCTCTGGAC  
ATCTCGGATGCTCCCTGAGAGTCTGGGATCTCTGGCAGTATGGTGGAGGGGTTAATAAGGAATTGC  
TGTGTCTAGTAGGAGTCTGGGAGGTTGGTACCTAAGAATGGCTCCAGCTCCTGCCACCCACCCCAT  
CTCCCTTCACTTCCACTTATCACTTACCCTCATTTAGAGCCATTGCAGAGATTTAGAAAGATTTACAGT  
AACGAATGAATTCCTATATAAGATTATTTTTATACTTTTTTCAACAAAAGGAAATGTAATATTTGTACA  
GCATTCAGTGAATAAAGACATGCCTAAGGCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_148952

**Insert Size:** 1233 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:**
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: [BC026649](#), [AAH26649](#)

RefSeq Size: 2024 bp

RefSeq ORF: 1233 bp

Locus ID: 104394

UniProt ID: [Q8R0K9](#)

Cytogenetics: 8 D3

**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. E2F4 binds with high affinity to RBL1 and RBL2. In some instances can also bind RB1. Specifically required for multiciliate cell differentiation: together with MCIDAS and E2F5, binds and activate genes required for centriole biogenesis.[UniProtKB/Swiss-Prot Function]