

Product datasheet for **MC202421**

E2f2 (NM_177733) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2f2 (NM_177733) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E2f2
Synonyms:	E2F-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC062101 sequence for NM_177733
 TGCTCCCGCGTCCGCGTGCAGCCGGTGC AAAGCCCGCAGGTGCCCGCGCGCGCCAGACCCGA
 GTGGGTAGGGGGCGCCGACTCGCCATGCTGCGCGCGCCGCGGACCTGGCTCCGGCCACGGCGAACCT
 ACAAAGAGCTTGGCGGCTGAACCCACCGAGCTGTGGCTTCGGGTCTGAGCAGCCCCAGCTCTGCC
 CGGCCACCACCGCCACCCTACTACACTTCGCTTTACACGCAGACGGTGCCTTCTCTGTGGCGTGGG
 CACCTGCCTCGACGCCACTCCCCACGACCCGAGGGCCAAATTGTGCGATGTGCACCCGAGGCCGGTG
 CCGGCCAAAAGGAAGTTGGACCTGGAGGGCATTGGGAGGCTACGGTCCCTGAATTCGGGACCCCAAGG
 GGAAGTGCATCCGCGTGGATGGTTTGCCAAGCCCCAAAACCCCAAGTCTCCTGGGAGAAGACACGCTA
 TGACACGTCGCTGGGGCTCTGACCAAGAAGTTCAATTTACCTCCTGAGCGAGTCGGAGGATGGAGTCTG
 GACCTGAACTGGGCGAGCCGAGGTGCTGGATGTGCAAAAGCGCGCATCTATGACATCACCAACGTGCTGG
 AGGGTATCCAGCTCATCCGAAGAAGTCCAAAAACAACATCCAGTGGGTAGGCAGGGAATTTGAAGA
 CCCCACCCGACCTCCAGGCAGCAGCAGTTGGGGCAGGAGCTGAAGGAGCTGATGAATGCCGAGCAGACC
 TTGGACCAGCTCATTAGAGTTGCTCCCTGAGCTTCAAGCACCTGACCGAAGATAATGCCAACAAAGAAAC
 TGGCCTATGTGACCTACCAGGATATCCGTGCCGTAGGCAACTTCAAGGAGCAGACAGTGATTGCGGTCAA
 GGCCCCACCACAGACAAGATTGGAAGTGCCGGACAGGGCCGAGGAGAACCTGCAGATTTATCTAAAGAGT
 ACCCAAGGCCCAATTGAAGTCTACTGTGCCAGAGGAGGGGCAGGAGCCAGACAGTCTCCTCCAAGGAGG
 CGCTCCCCCTCACCTCTGCCCTCAGCCCCATTCTGACTGCGCTCAGCCGGGCTGCAGCACTGACTCTGG
 GATCGCAGAGACCATAGAGCCTTCACTACTGATACCCAGCCGATACCACCGCTCCTCCACCACCACTG
 CCGCCAGCCCCATCCCTCGTCCCCTTGAAGCCACTGACAACATGCTGGAGCTGTACACCTCTTCTAC
 AACAGACTGAGGACCAGTTCTGTCCCCAATCTGGCGGCCAACTCCCCCTGATCAGCTTCTCCCCGCC
 CTTGGACCAGGACGAATACCTGTGGGGCATGGACGAGGGGAAGGCATCAGTGACCTCTTCGACTCCTAT
 GACCTTGGGGACCTGTTGATTAATTGAAGCGTCTGCATCTGTCTACCTCCTCACAGACAGATTGACAGG
 CTCTCTGCCCAGATGGGGGACACAGACACAGGTGTACCCCTCGTCTGCGCGGCTCTTCCAGCCTT
 CCTTAGGGCGGAGGCCAGCTAGGGAGATGTGGAGGATTGCGCTGGGGAGTGATATCAGGGCTAAGCCCTG
 ACCCTCCTCTTCTGACCTCCGACCCCTTATGAAGGACTACGGGTGCAGGTGGCCATGTTAGGGAAAGG
 GCTCACTGCCTCCTTCTGAGGGGAGGGGGACCCTGACTTTTTCAAGAAGCACTTAACGCCTTTGTATTT
 ATTTCTAGTTCAGATGTGTTTGTGTTGCCACCCTGAGTTTTAGCAGGGAGATTTGTTCTAGTTTCTCCTC
 AGACAGGGCCACCACGCCAGTGCCTAAGCGCACATCTGGGCTTCCAGGGGTCTAGGCCAGCTCCTTGC
 CCCCCGTCCCCCGTCCCCCAGTGGTGCCTGGGTCTTGAGGGGACTATCCAGTTTGCTTGAATTAATTG
 CACTTAGGCTTTGTAATTTAGAAAATGCCAGGCCAGCCAAGGCACCGGCTTGGAATTCTCCATCTCCT
 CCATCCTAGAGAAAGTCCAGTAGCTACTCTGGGGAGGTAGCCAAGGGGCTGGCTTCTATTGGATGT
 CTATCTTCTGAGCCTCCAATGTAATGTAGGCCTTCAAGGAATTAGCCAGAAAGAGCTCCTGGGAAA
 AGCAGGAGGCCACGCCCTGCCTCCTAGATGCCCTTCTCAGGAGGTGAGACCTGGAAGTGGAGGCA
 GAGAGGAGTGAGAAGAAAACAAGAAACACCCTGGGGTCTGCCAATGTTTCCCTGGGAGGATTATTTTTGT
 TTCTTGGTTGAGTGGAGGGGGAAGATTCCCTAAACACCCACTGTCCAAAGCCCTCACTTCACTTCCA
 AGGTGAGTGTGACAGGAGCTTGGTGACAGGTTTGACCTTTCCCACTGGAGTGCTTCGGGGGTGAGGG
 GGCAGGGGTGGGGTGTCTTCCCTGCAGACTAGGCCTCAGCAGCTCATGACGGGATAGGCTGGCGCTGC
 CACCTCTCCTGGCATGGGGATCTGGGAAGAGCTCTTGGTCTCTTGTCTGCCATAGACTGACCATCC
 AGGGTTCCTGTGGTCAGGAGACGGCAAGAGTCCGCTTTTCTTCTCGCCTTCCAGGCATGGAGAATGGG
 CTTAACCAAGGCCACGTGTCCAGAGAGGTGTACCCAGGGGTGACGGGGTCTGAGAGGCCTTCCACCTACC
 CTCAGGGAGCCTGGGTTTCTCAGGGGCTCAGTGGGCAGCACTTTTGTGTTGTTGTTTTAAGTTTGT
 AGCATTAAATTGATTTAAAAGATGAAGTTGGCTATGCCAGGTAGGTCCGAGCTAGCTGACTGGGAATTTG
 AAGTTTGGATGTTGAGCTAATATGTAAGTGGTCCATTTGGGTTAATTTGTCTTATCCTCGAGTCAGCTT
 CCTGGTGCACAACTTAGTCTGTCCGAGGAGTGGTCAGCGACTCACCCCCCCCCACACACTTGAAA
 TTTGTCTATTTTACACCGAGTGTCCAACCTTTTACATATGTGACCTCGTCGTCTCTAAAGTTCACCT
 CAGGAAGTGCATAGATAAGCTACCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI
ACCN: NM_177733
Insert Size: 1332 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:	BC062101 , AAH62101
RefSeq Size:	3122 bp
RefSeq ORF:	1332 bp
Locus ID:	242705
UniProt ID:	P56931
Cytogenetics:	4 D3
Gene Summary:	<p>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. E2F2 binds specifically to RB1 in a cell-cycle dependent manner.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>