

Product datasheet for **RC236561**

E2F6 (NM_001278278) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: E2F6 (NM_001278278) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: E2F6
Synonyms: E2F-6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236561 representing NM_001278278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCTTGTCAGATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAACGAACTGGGAGTCC
GAAAGCGGAGAGTGTATGACATACCAATGTCTTAGATGGAATCGACCTCGTTGAAAAGAAATCCAAGAA
CCATATTAGATGGATAGGATCTGATCTTAGCAATTTTGGAGCAGTCCCCAACAAAAGAAGCTACAGGAG
GACTTTCTGACTTATCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTGCTCAGCAGCTGT
TTGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGCATTCA
GGCCTTCCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCAGCTCCC
AGAGAAGACTCTATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCTATTTGTGTGAAGTGG
AGCAGGGTCAGACCAGTAACAAAAGTCTGAAGGTGTCGGGACCTCTTCATCTGAGAGCACTCATCCAGA
AGGCCCTGAGGAAGAAGAAAATCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGCAAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236561 representing NM_001278278
Red=Cloning site Green=Tags(s)

MDLVRSAPGGILDNLNKVATKLGVRKRRVYDITNVLDGIDLVEKSKNHIRWIGSDL SNFGAVPQQKLLQE
ELSDLAMEDALDEL IKDCAQQLFEL TDDKENERLAYVTYQDIHSIQAFHEQIIVIAVKAPAEATRLDVPAP
REDSITVHIRSTNGPIDVYLCEVEQGQTSNKRSEGVGTSSSESTHPEGPEEEENPQQSEELLEVS

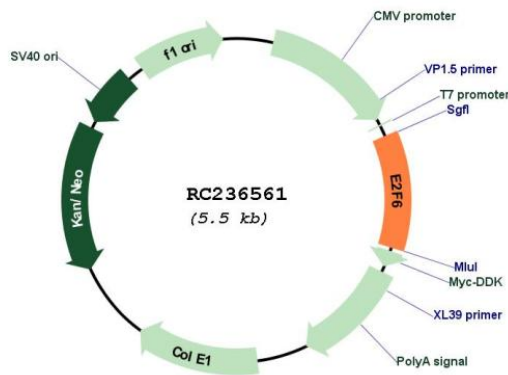
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001278278

ORF Size: 618 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_001278278.1](#), [NP_001265207.1](#)

RefSeq Size: 3191 bp

RefSeq ORF: 621 bp

Locus ID: 1876

UniProt ID: [O75461](#)

Cytogenetics: 2p25.1

Protein Families: Transcription Factors

MW: 23.4 kDa

Gene Summary: This gene encodes a member of a family of transcription factors that play a crucial role in the control of the cell cycle. The protein encoded by this gene lacks the transactivation and tumor suppressor protein association domains found in other family members, and contains a modular suppression domain that functions in the inhibition of transcription. It interacts in a complex with chromatin modifying factors. There are pseudogenes for this gene on chromosomes 22 and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]