

Product datasheet for **RG236561**

E2F6 (NM_001278278) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: E2F6 (NM_001278278) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: E2F6
Synonyms: E2F-6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236561 representing NM_001278278.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCTTGTCAGATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAACGAAACTGGGAGTC
CGAAAGCGGAGAGTGTATGACATACCAATGTCTTAGATGGAATCGACCTCGTTGAAAAGAAATCCAAG
AACCATATTAGATGGATAGGATCTGATCTTAGCAATTTTGGAGCAGTCCCAACAAAAGAAGCTACAG
GAGGAACCTTCTGACTTATCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATTGTGCTCAGCAG
CTGTTTGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGACATTCATAGC
ATTCAGGCCTTCCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAACCAGATTGGATGTTCCA
GCTCCAGAGAAGACTCTATCACAGTGACATAAGGAGCACCAACGGACCTATCGATGTCTATTTGTGT
GAAGTGGAGCAGGGTCAGACCAGTAACAAAAGGTCTGAAGGTGTGCGGACCTCTTCATCTGAGAGCACT
CATCCAGAAGGCCCTGAGGAAGAAGAAAATCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGCAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236561
Blue=ORF Red=Cloning site Green=Tag(s)

```
MDLVRSAPGGILDNLNKVATKLGVRKRRVYDITNVLDGIDLVEKSKNHIRWIGSDLNFGAVPQQKQLQ
EELSDLAMEDALDEL IKDCAQQLFEL TDDKENERLAYVYQDIHSIQAFHEQIVIAVKAPAETRLDVP
APREDSITVHIRSTNGPIDVYLCEVEQQQTSNKRSEGVGTSSSESTHPEGPEEEENPQQSEELLEVSN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSPGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-Mlul

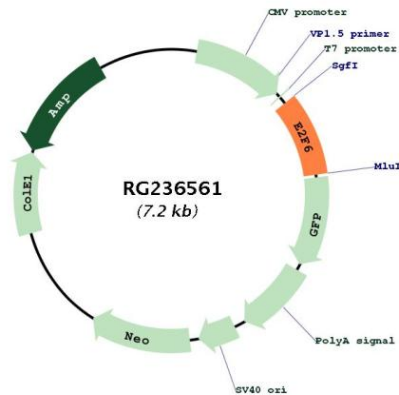


Cloning Scheme:


- 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).
- 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]

Product images:


Circular map for RG236561