

Product datasheet for **RG210680**

E2F6 (NM_198256) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2F6 (NM_198256) 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:	>RG210680 representing NM_198256 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGTCAGCAGCGGCCGGGAGGAAGTTACCCAGTCTCCTCCTGGACCCGACGGAGGAGACGGTTCGCC
GTCGGTGCCGAGACCCCATCAACGTGGAGGGCCTGCTGCCATCAAAAATAAGGATTAATTTAGAAGATAA
TGTACAATATGTGTCCATGAGAAAAGCTCTAAAAGTGAAGAGACCTCGTTTTGATGTATCGCTGGTTTTAT
TTAACTCGAAAATTTATGGATCTTGTGAGATCTGCTCCCGGGGTATTCTTGACTTAAACAAGGTTGCAA
CGAAACTGGGAGTCCGAAAGCGGAGAGTGTATGACATCACCAATGTCTTAGATGGAATCGACCTCGTTGA
AAAGAAAATCCAAGAACCATTAGATGGATAGGATCTGATCTTAGCAATTTGGAGCAGTCCCAACAA
AAGAAGCTACAGGAGGAACCTTTCTGACTTATCAGCAATGGAAGATGCTTTGGATGAGTTAATTAAGGATT
GTGCTCAGCAGCTGTTTGAGTTAACAGATGACAAAGAAAATGAAAGACTAGCATATGTGACCTATCAAGA
CATTATAGCATTGAGCCTTCCATGAACAGATCGTCATTGCAGTTAAAGCTCCAGCAGAAAACCAGATTG
GATGTTCCAGCTCCAGAGAAGACTCTATCACAGTGCACATAAGGAGCACCAACGGACCTATCGATGTCT
ATTTGTGTGAAGTGGAGCAGGTCAGACCAGTAACAAAAGGTCTGAAGGTGTCGGGACCTCTTATCTGA
GAGCACTATCCAGAAGGCCCTGAGGAAGAAGAAAATCCTCAGCAAAGTGAAGAATTGCTTGAAGTAAGC
AAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210680 representing NM_198256
Red=Cloning site Green=Tags(s)

MSQQRPAKLPKSLLLDPTTEETVRRRCRDPINVEGLLPKIRINLEDNVQYVSMRKALKVKRPRFDVSLVY
 LTRKFMDLVRSAPGGILDNLNKVATKLGVRKRRVYDITNVLGDIDLVEKSKNHIRWIGSGLSNFGAVPQQ
 KKLQEELSDLAMEDALDELKDCAQQLFELTDDKENERLAYVTYQDIHSIQAFHEQIVIAVKAPAETRL
 DVPAPREDSITVHIRSTNGPIDVYLCEVEQGQTSNKRSEGVGTSSSESTHPEGPEEEENPQQSEELLEVS
 N

TRTRPLE - GFP Tag - V

Restriction Sites:

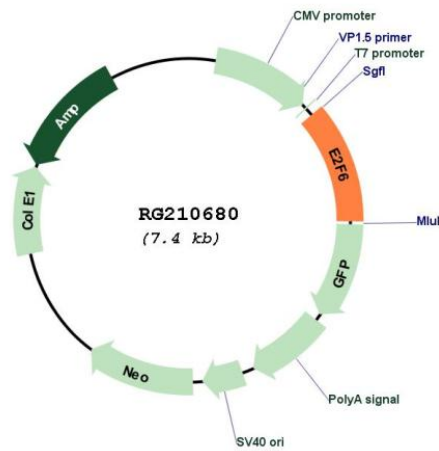
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_198256

ORF Size: 843 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:	<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:	NM_198256.4
RefSeq Size:	3240 bp
RefSeq ORF:	846 bp
Locus ID:	1876
UniProt ID:	O75461
Cytogenetics:	2p25.1
Protein Families:	Transcription Factors
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]