

Product datasheet for **MG204971**

E2f5 (NM_007892) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2f5 (NM_007892) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	E2f5
Synonyms:	AU024671; E2F-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204971 representing NM_007892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCGGGAGCCACGAGCTCTGCTCAGCCACGCCGAGGCCAGGCTCAGCCGCCCGCATG
GGGCGCCATCCTCGCAGCCGTCCGCGGCGCTCGCGGGGGCAGCAGCCGGCAGAGAAGAGCCTGGGCTT
GCTTACCACCAAATTCGTGTCGTTGCTGCAGGAGGCGCAGGACGGCGTCTGGATCTCAAAGCGGCTGCA
GATACCTTGGCTGTGAGGCAAAAGCGAAGAATTTATGATATACCAATGTCTTAGAGGGAATTGATCTAA
TTGAAAAAAAATCAAAGAACAGTATCCAGTGAAGGGTGTAGGTGCTGGCTGTAATACTAAAGAAGTTAT
CGATAGATTAAGGTGCTTAAAGCTGAAATTGAAGATCTCGAATTGAAGGAAAGAGAAGTACCAGCAG
AAGTTGTGGCTACAGCAAAGCATCAAAAATGTGATGGAAGACTCCATTAATAACAGATTTTCTTATGTAA
CTCACGAAGACATCTGCAATTGCTTTCATGGTGATACACTGTTGGCCATTCAGGCACCTTCTGGTACACA
GCTGGAAGTACCTATCCAGAAATGGGACAGAATGGACAAAAGAAATACCAGATAAATCTGAAGAGTCAC
TCAGGGCCTATCCATGTGCTACTATAAATAAAGAGTCCAGTTCATCTAAGCCAGTGGTTTTCTGTTC
CCCCACCTGATGACCTCACACAGCCTTCTCCAGTCCCACTTCAGTGACTCCACAGAAATCCACCAT
GGCTGCTCAAAACCTGCCTGAGCAGCATGTTCCGAAAGAAGCCAGACTTCCAGCAGACACCAGCTGCA
GAAGTATCTTCAGGATCTATTAGTGGAGACATCATTGATGAAGTGTCTTCTGATGTGTTTCTCTTT
TACGGCTTTCTCCTACCCAGCAGATGACTACAACCTTAATTTAGATGATAATGAAGGAGTTTGTGATCT
GTTTGATGTTTCAGATACTAAATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204971 representing NM_007892
 Red=Cloning site Green=Tags(s)

MAAAEPTSSAQPTPQAQAQPPPHGAPSSQPSAALAGGSSRHEKSLGLLTTKFVSLQLQEAQDGVLDLKAAA
 DTLAVRQKRRIYDITNVLEGIDLIEKSKNSIQWKGVGAGCNTKEVIDRLRCLKAEIEDLELKERELDQQ
 KLWLQQSIKNVMEDESINNRFSYVTHEIDICNCFHGDTLIAIQAPSGTQLEVPPEMGOQNGQKQYQINLKSH
 SGPIHVLLINKESSSSKPVVFPVPPDDLTQPSSQSSTSVTPQKSTMAAQNLPEQHVSESRQTFQQTAA
 EVSSGSIISGDIIDELMSSDVFPLLRLSPTPADDYFNLDNEGVCDFDVQILNY

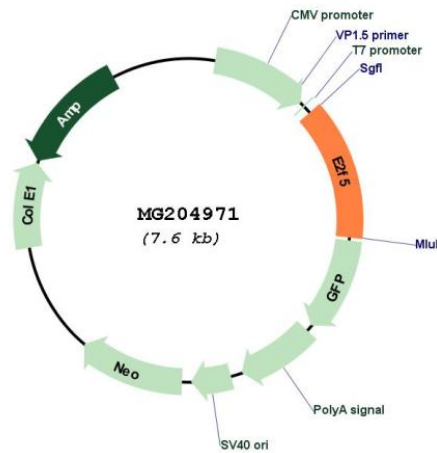
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007892

ORF Size: 1005 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_007892.2 , NP_031918.2
RefSeq Size:	1763 bp
RefSeq ORF:	1008 bp
Locus ID:	13559
UniProt ID:	Q61502
Cytogenetics:	3 A1
Gene Summary:	Transcriptional activator that binds to E2F sites, these sites are present in the promoter of many genes whose products are involved in cell proliferation. May mediate growth factor-initiated signal transduction. It is likely involved in the early responses of resting cells to growth factor stimulation. Specifically required for multiciliate cell differentiation: together with MCIDAS and E2F5, binds and activate genes required for centriole biogenesis. [UniProtKB/Swiss-Prot Function]