

Product datasheet for **RR216600**

E2f4 (NM_001271345) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: E2f4 (NM_001271345) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: E2f4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216600 representing NM_001271345
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCCGGCCACAGGCGCCGCCCGCCCGGGTACTCCAAGCCGGCAGCAGAGAAGAGTCTGGGAC
TTCTCACCACCAAGTTCGTGTCGTTCTGCAGGAAGCCAAGGACGGCGTGTGCTTACCTCAAGTTGGCAGC
CGACTCTTGTGTACGCCAGAAACGGGGATTACGACATACCAACGTGTTGGAAGGTATTGGTCTG
ATCGAGAAAAAATCCAAGAACAGCATCCAGTGGAGGGCGTCGGGCCAGTTGCAATACCCGGGAGATTG
CCGACAAACTGATTGAGCTCAAGGCAGAGATCGAGGAGCTACAGCAGCGGAGCAAGAATTGACCAGCA
CAAGGTGTGGGTGCAGCAGAGCATCCGGAATGTCGAGAGGACGTCCAGAACAGCTGCTTGGCTACGTG
ACTCATGAAGACATCTGCAGGTGCTTTGCTGGAGATACCCTCCTTGCTATCCGAGCCCCATCGGGCACCA
GCCTGGAGGTGCCATCCCAGAGGGTCTCAATGGTCAGAAGAAGTACCAGATTCACTTAAAGAGCATGAG
TGGTCCCATTGAGGTCTGCTAGTGAACAAGGAGGCTGGAGTTCACCACCTGTGGCTGTGCCCGTACCT
CCCCCTGACGATCTACTCCAGAGCCACCTGCTGTGTCTACACCTCCACCTTGCCCAAGCTGCCTTAG
CTCATCCCAAGAAACCTCTCGTCCAAGCAGCCCCAGATAACTACCCCACTCCTGTCTTGGCAGCAC
TGAAGTCTCAGATGTGGCAGGCCAGACAGCTGAGATTGCAGTGTGTTAGCCCTGGAAGTGAACAAG
GGCAGTGGTGAACCTCAGTTCACCTCCACTGGGCTGACAGCACTGGACACTCGACCTCTGCAGTCTCTG
CACTACTGGATAGTAGCAGCAGCAGCAGCAGCAGTACGAGCAGCAGCAGCAGCAGCAGTTCATCTGG
ACCCAACCTTCTACCTCCTTTGAGCCCATCAAGGCAGACCCACAGGCGTTCTGGATCTCCCCAAAGAG
CTGTCAGAAATCTTCAGCCCAAGAGAGTGCATGAGCTCCGAGCTGCTGGAAGAATTGATGTCTTCAG
AAGTGTTCGCCCCCTCCTCCGACTTTCTCCACCTCCCGAGACCAGATTACATCTACAACCTGGACGA
GAGTGAAGGTGTCTGTGATCTCTTTGATGTTCTCTCAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216600 representing NM_001271345
 Red=Cloning site Green=Tags(s)

MAEAGPQAPPPPGTPSRHEKSLGLLTTKFVSLLEAKDGVLDLKLAAADTLAVRQKRRIYDITNVLEIGL
 IEKKSNSIQWKGVPGCNTREIADKLIELKAEIEELQQRQELDQHKVWVQQSIRNVAEDVQNSCLAYV
 THEDICRCFAGDTLLAIRAPSGTSLEVPPEGLNGQKQYIHLKSMGPIEVLLVNKEAWSPPVAVPVP
 PPDDLQSPPAVSTPPPLPKPALAHPQETSRPSSPQITTPVLGSTEVSVDVAGQTAIEIVSGSPGTENK
 GSGELSSLPLGLTALDTRPLQSSALLDSSSSSSSSSSSSSSSSSSSGPNPSTSFEPKADPTGVLDLPKE
 LSEIFDPTRECMSELLEELMSSEVFAPLLRLSPPPGDHDYIYNLDESEGVCDLFDVPVCLK

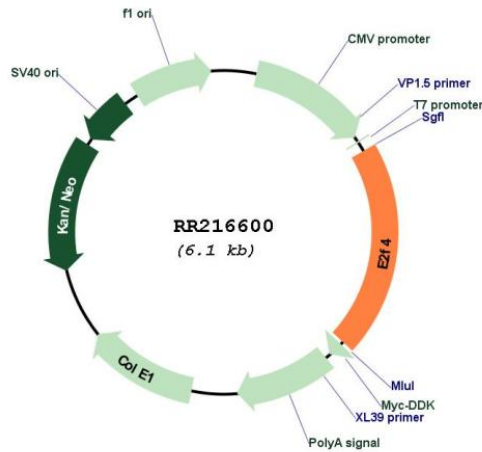
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271345

ORF Size:	1236 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_001271345.1 , NP_001258274.1
RefSeq Size:	2020 bp
RefSeq ORF:	1239 bp
Locus ID:	100360427
Cytogenetics:	19q11
MW:	43.9 kDa