

Product datasheet for **RR201688**

Gtf2f1 (NM_001007711) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2f1 (NM_001007711) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2f1
Synonyms:	MGC94148
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201688 representing NM_001007711
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTCTAGGCTCCAGCAGCCAGAATGTCTACTGAGTACGTCGTCCGAGTCCCCAAGAACACAGCCA
 AAAGATACAACATAATGGCTTTTAAATGCAGCTGATAAAGTCAACTTTGCTACCTGGAACAGGCACGGCT
 GGAGCGAGATCTGAGCAACAAGAAGATCTACCAGGAAGAGGAGATGCCAGAGTCTGGTGCAGGAAGTGAA
 TTCAACCGCAAGCTCAGGGAGGAGGCTCGCCGGAAGAAGTATGGCATCGTCCTGAAGGAGTTCGGCCTG
 AGGACCAGCCCTGGTACTCCGTGTCAATGGCAAATCGGGGAGGAAGTTCAAGGGCATCAAGAAAGCGG
 GGTAACAGAGAACACGGCCTACTACATCTTACACAGTGTGCGGATGGCGCCTTCGAGGCCTTCCCTGTG
 CAGAACTGGTACAATTTACACCGCTGGCCGACACCGCACACTGACTGCTGAGGAAGCTGAGGAGGAAT
 GGGAGAGGAGGAACAAGTCTGAACACTTCAGCATCATGCAGCAGCGGCGACTCAAGGACCAGGACCA
 GGATGAAGATGAGGAGGAGAAGGAGAAGCGCAGCCGTAAGAAGCCTAGTGAAGTCCGATTCATGACCTG
 GAAGATGACCTGGAAATGTCATCCGATGCCAGTATGCCAGTGGAGAAGAGGGCAGCAGAGCCTCCAAGG
 CTAAGAAAAAGGCCAGTGACCAAGGCAGGCAGGAAGAAGAAAAAGAAAGGGCTCAGATGATGAGGC
 CTTTGGAGACAGTGTGACGGGGACTTTGAGGGCCAGGAGGTAGACTACATGTCTGACGGCTCCAGCAGC
 TCACCGGATGAGGCAGAGGGCAAGCCAAAGGTGCCCCAGCAGGAGGATGGCCCAAGGGTGTGGACGAAC
 AGAGTGAGAGCAGTGAGGAGAGTGTAGGAGGAGAAGCCCCGAGGAGGACAAGGAGGAGGAGGAAGAGAA
 GAAGGCCCTACCCACAAGAGAAGAAACGCAGGAAAGACAGCAGTGTGACTCAGACAGCTCAGAAGAG
 AGCGACATTGACAGTGTGACCTCTCTGCGCTTTCATGGCGAAGAAGAAGACACCCCAAGAGGGGAGC
 GGAAGCCATCCGGGGGAAGTTCAAAGGGCACACCGCCGAGGAACTCCAGTGCAGAAGCGGCACAGCAC
 CTCTTCTACCTGCGGGCCGCGCCAGCAAGCTGGAACAGGGGAAGCGGACAAGTGTGACTCCAGCAGCC
 AAGCGCCTTCGGATGGACACAGGTCCCCAGAGCCTGTCTGGGAAGTCCACGCCAGCAGCGGTGATGTCC
 AGGTGACAGAGGATGCTGTGCGCCGCTACTGACCCGGAAGCCATGACCACGAAGGACCTGCTGAAGAA
 GTTCCAGACCAAGAAGACGGGGCTGAGCAGCGAGCAGACAGTGAATGTGCTGGCGCAGATTCTCAAGCGC
 CTCAACCTGAGCGCAAGATGATTGGGGACAAGATGCACTTCTCCCTCAAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201688 representing NM_001007711
 Red=Cloning site Green=Tags(s)

MAALGSSSQNVTEYVVRVPKNTAKRYNIMAFNAADKVNFAWNQARLERDL SNKKIYQEEEMPESGAGSE
 FNRKLRREEARRKKYGIVLKEFRPEDQPWLLRVNGKSGRKFKGIKGGVTENTAYYIFTQCADGAFAFPV
 QNWFYNTPLARHRTLTAEEAEEEWERRNKVLNHF SIMQRRLLKDQDQDEDEEEKEKRSRKKPSELRIHDL
 EDDLEMSSDASDASGEEGSRASKAKKKAPVTKAGRKKKKKGGSDDEAFEDSDDGDFEGQEVYMSDGS
 SPDEAEGKPKVPQEDGPKGVDEQSESESESEEEKPPEEDKEEEEEKAPTPQEKRRKDSDDSDSSEE
 SDIDSETSSALFMAKKKTPPKRERKPSGGSSKGT SRPGTPSAEAAST SSSLRAAASKLEQKRTSETPAA
 KRLRMDTGPSLSGKSTPSSGDVQVTEDAVRRYLTRKPMTTKDLLKFKQTKTGLSSEQTVNVLAQILKR
 LNPERKMI GDKMHFSLKE

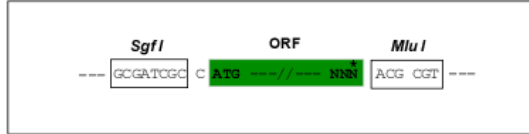
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

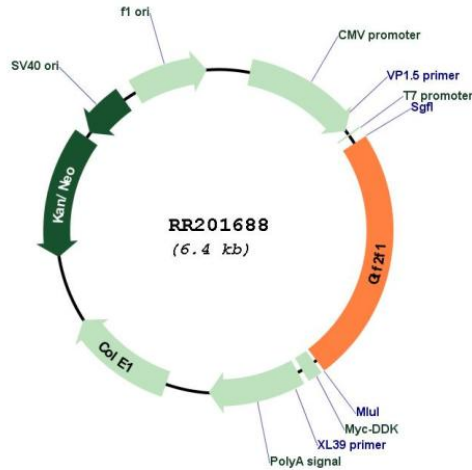
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001007711

ORF Size: 1524 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_001007711.1](#), [NP_001007712.1](#)

RefSeq Size: 1706 bp

RefSeq ORF: 1527 bp

Locus ID: 316123

UniProt ID: [Q6AY96](#)

Cytogenetics: 9q12

MW: 57.2 kDa

Gene Summary: TFIIIF is a general transcription initiation factor that binds to RNA polymerase II and helps to recruit it to the initiation complex in collaboration with TFIIIB. It promotes transcription elongation (By similarity).[UniProtKB/Swiss-Prot Function]