

Product datasheet for **MR208172**

Gtf2f1 (NM_133801) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2f1 (NM_133801) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2f1
Synonyms:	2810405L04Rik; C76800; RAP74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208172 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTCTAGGCTCCAGCAGCCAGAATGTCACCGAGTACGTCGTCGAGTCCCCAAGAACACAGCCA
 AAAGATACAACATAATGGCTTTTAAATGCAGCCGATAAAGTCAACTTTGCTACCTGGAACAGGCACGGCT
 GGAGCGAGATCTGAGCAACAAGAAGATTTACCAGGAAGAAGAGATGCCAGAGTCCGGTGCAGGCAGTGAA
 TTCAACCGCAAGCTTAGGGAGGAGGCGCGCCGGAAGAAGTATGGCATTGCTCTAAAGGAGTTTCGGCCTG
 AGGATCAGCCTTGGCTACTCCGTGTCAATGGCAAATCAGGACGGAAGTTCAAAGGCATTAAGAAAGGCGG
 GGTAACAGAGAACACAGCCTACTACATCTTACACAGTGTGCTGATGGTGCCTTTGAGGCTTTCCCTGTA
 CAGAACTGGTACAATTTACACCACTGGCCGACACCGCACACTACTGCTGAGGAAGCCGAGGAGGAAT
 GGGAGAGGAGGAACAAGGTCCTAAACCACTTCAAGCATCATGCAGCAGCGCGGCTCAAGGACCAGGACCA
 GGATGAAGATGAGGAGGAGAAGGAGAAGCGCAGTCGCAAGAAGCCTAGTGAGCTGCGCATTTCATGACCTG
 GAGGATGACCTGGAAATGTCCTCCGATGCCAGCGATGCCAGTGGTGAAGAGGGCAGCAGAACCTCCAAGG
 CTAAGAAAAAGGCCCTGTGACCAAGGCAGGCAGGAAGAAGAAAAAGAAGGGCTCAGATGATGAGGC
 TTTTGAGGACAGCGATGATGGGGACTTCGAGGGCCAGGAGGTAGACTACATGCTGATGGCTCCAGCAGC
 TCTCCAGATGAGACAGAAGGCAAGCCAAAGTGCCCCAGCAGGAGGATGGCCAAAGGGGTGGATGAGC
 AGAGCGAGAGCAGTGAGGAGAGTGAGGAGGAGAAGCCCCGAGGAGGACAAGGAGGAGGAAGAAGAGAA
 GAAGGCCCTACCCACAAGAGAAGAAGCGCAGGAAAGACAGCAGTGTACTCAGACAGCTCAGAAGAG
 AGCGACATTGACAGTGAACCTCTCTGCACTTTCATGGCGAAGAAGAAGACACCCCAAGAGGGGAGC
 GGAAGCCATCGGGGGGAGTTCAAAGGGCACCACTCGGCCAGGGACTCCAGTGCAGAAGCAGCAGCAC
 CTCTTCTACCCTGCGGGCTGCAGCCAGCAAGCTGGAGCAGGGGAAGCGGACGAGTGAGACTCCAGCAGCC
 AAGCGTCTTCGGATGGACACGGGTCCCCAGAGCCTGTCTGGGAAGTCCACACCCAGCAGCGGTGATGTCC
 AGGTGACAGAGGACGCTGTGCGCCGCTACTGACCCGCAAGCCATGACCACAAAGGACCTGCTGAAGAA
 GTTCCAGACCAAGAAGACAGGGCTGAGCAGCGAGCAGACAGTAAATGTGCTGGCGCAGATCTCAAGCGC
 CTCAACCTGAGCGCAAGATGATTGGTGATAAGATGCACTTCTCCCTCAAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208172 protein sequence
 Red=Cloning site Green=Tags(s)

MAALGSSSQNVTEYVVRVPKNTAKRYNIMAFNAADKVNFAWQARLERDL SNKKIYQEEEMPESGAGSE
 FNRKLRERARRKYGIVLKEFRPEDQPWLLRVNGKSGRKFKGIKKGGVTENTAYYIFTQCADGAFEAFPV
 QNWNFTPLARHRTLTAEEAEEWERRNKLNFHFSIMQQRRLKDQDDEEEKEKRSRKKPSELRIHDL
 EDDLEMSDASDASGEEGSRTSKAKKKAPVTKAGRKKKKKGSDDAEFEDSDDGDFEGQEVDMYSDGSSS
 SPDETEGPKVPQEDGPKGVDEQSESESESEEEKPPEEDKEEEEEKAPTPQEKRRKDSDDSDSSEE
 SDIDSETSSALFMAKKKTPPKRERKPSGGSSKGTSRPGTPSAEAASTSTLRAAASKLEQGKRTSETPAA
 KRLRMDTGQSLSGKSTPSSGDVQVTEDAVRRYLTRKPMTTKDLLKKFQTKKTGLSSEQTVNVLAQILKR
 LNPERKMI GDMHFSLKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133801

ORF Size: 1527 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_133801.1](#)

RefSeq Size: 1720 bp

RefSeq ORF: 1527 bp

Locus ID: 98053

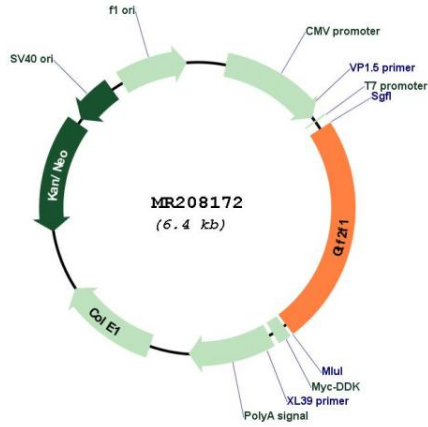
UniProt ID: [Q3THK3](#)

Cytogenetics: 17 D

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]

Product images:



Circular map for MR208172