

Product datasheet for **RR201637**

Gtf2f2 (NM_031042) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf2f2 (NM_031042) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gtf2f2
Synonyms: Rap30
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201637 representing NM_031042
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGCGCGGGAACTCGATCTGACGGGCGCCAAACAGAACACCGGCGTGTGGCTGGTGAAGGTTCC
CTAAATATTTGTCCAGCAATGGGCAAAGCCCTGGAAGAGGTGAAGTTGGGAACTGAGGATTGCCAA
GAATCAAGGAAGGACTGAGGTATCATTACTTTGAATGAGGATCTTGCGAATATTCATGATATCGGTGGG
AAACCAGCTTCAGTCAGTGCTCCTAGAGAACATCCATTTGTCTTGCAAAGTGTGGAGGACAGACATTAA
CAGTGTTACCGAGAGCTCCTCAGATAAACTGTCATTGGAAGGAATAGTGGTTCAGAGAGCGGAATGCCG
ACCTGCTGCCAGTGAAAACACTACATGAAAACAAAGAGATTGCAAATAGAAGAATCTTCAAACCTGTAAGG
CTCTCACAAACAGCTGGACAAAGTTGTAACCAATTACAAGCCTGTCGCTAACCATCAGTACAATATTG
AATATGAAAGGAAGAAGAAAGAAGATGGAAGCGAGCTCGGCAGACAAACAACACGTCTTAGACATGCT
GTTCTCAGCCTTTGAGAAACATCAGTACTATAATCTTAAGGACTTGGTGGACATCACAAGCAACCTGTG
GGATACCTGAAAGAAATCTTGAAGAAATCGGCATTGAGAATGAAAAGGAATTCACAAGAATACGTGGG
AGCTGAAGCCAGAGTACAGGCATTACCAACAGAGGAGAAGAGCGAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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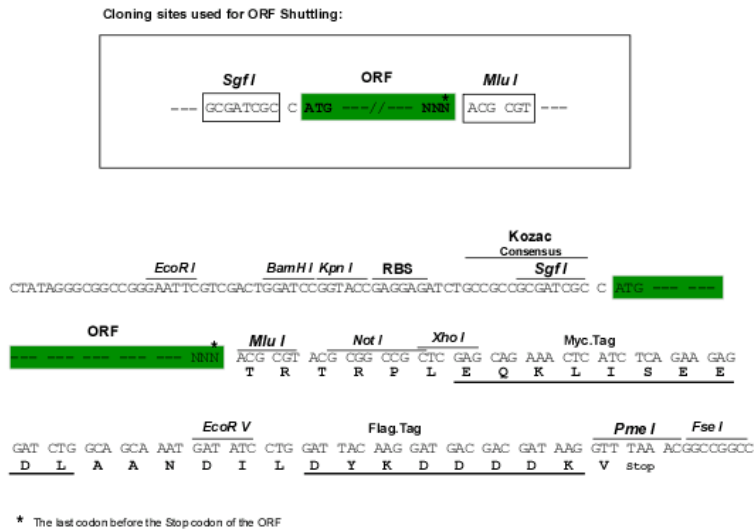
Protein Sequence: >RR201637 representing NM_031042
 Red=Cloning site Green=Tags(s)

MAERGELDLTGAKQNTGVWLKVKPKYLSQQWAKAPGRGEVGLKRIAKNQGRTEVSFTLNEDLANIHDIGG
 KPASVSAPREHPFVLQSVGGQTLTVFTESDDKLSLEGI VVQRAECRPAASENYMKLRKRLQIEESSKPVR
 LSQQLDKVVTTNYKPVANHQYNI EYERKKKEDGKRARADKQHVLDM LFSAFEKHQYYNLKDLVDITKQPV
 GYLKEILKEIGIQNVKGIHKNTWELKPEYRHYQTEEKSD

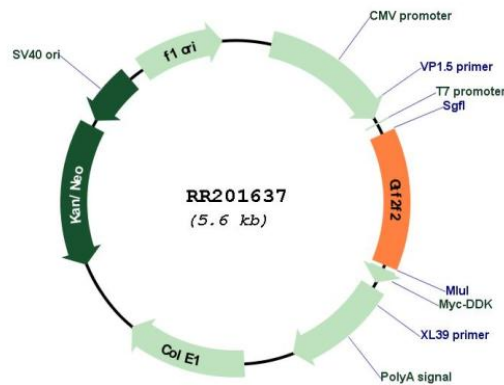
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031042
ORF Size: 747 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_031042.3 , NP_112304.2
RefSeq Size:	1481 bp
RefSeq ORF:	750 bp
Locus ID:	81674
Cytogenetics:	15q11
MW:	28.4 kDa
Gene Summary:	assembles with RAP74 to form transcription factor beta gamma which interacts with RNA polymerase II to regulate transcription [RGD, Feb 2006]