

## Product datasheet for **RR207197**

### **Gtf2b (NM\_031041) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2b (NM_031041) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207197 representing NM_031041 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCGACCAGCCGTTTGGATGCTCTCCACGAGTCACATGTCCAATCATCCAGATGCGATTTTAG  
TTGAGGACTACAGAGCTGGCGACATGATCTGCCGAATGCGGCCTAGTTGTAGGGGACCGGTTATTGA  
TGTGGGTCTGAATGGAGAAGTTTCAGCAATGACAAAGCAACGAAAGACCCATCTCGAGTTGGAGACTCT  
CAGAATCCTCTTCTGAGTGATGGAGATTTGTCCACCATGATTGGCAAGGGTACAGGAGCGCAAGTTTTG  
ATGAATTTGGCAATTCTAAGTATCAGAACCGGAGAACAATGAGCAGCTCTGATAGAGCTATGATGAACGC  
ATTCAAGGAGATCAGACCATGGCAGACAGAATCAACCTCCACGCAATATAGTTGATCGAACAAATAAT  
TTATTC AAGCAAGTATATGAGCAGAAGAGCCTGAAGGGAAGAGCTAATGATGCGATAGCTTCTGCTTGTC  
TGTACATCGCTTGTAGACAAGAAGGCGTCCCAGGACATTTAAAGAAATATGTGCTGTGTCTCGAATCTC  
TAAGAAAGAAATTGGCCGTTGTTTTAACTGATTTTGAAAGCTTTGGAGACGAGCGTGGATCTGATCACA  
ACTGGGGACTTCATGTCCAGTTCTGCTCCAACCTTTGCCTCCCAAGCAAGTGCAGATGGCAGCTACAC  
ACATAGCCCGCAAGGCTGTGGAGCTGGACTTGGTTCTGGCAGGAGTCTATCTCTGTGGCGGCAGCAGC  
TATTTACATGGCCTCCCAGGCTTCAGCTGAGAAGCGAACACAGAAAGAAATCGGGGATATTGCTGGTGTT  
GCTGATGTTACAATCCGACAGTCTACAGACTGATCTACCCTCGGGCTCCAGATCTTCCCTTCAGACT  
TCAAGTTTGACACCCAGTGGACAAATTACCCAGCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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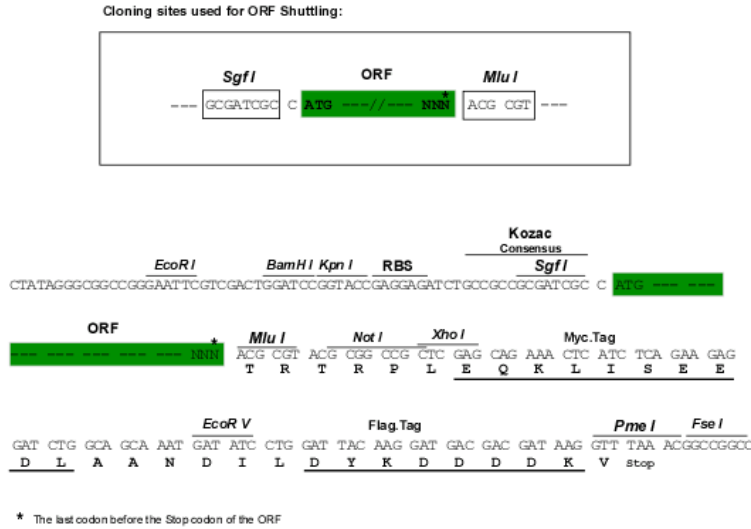
**Protein Sequence:** >RR207197 representing NM\_031041  
 Red=Cloning site Green=Tags(s)

MASTRRLDALPRVTCPNHPDAILVEDYRAGDMICPECGLVVGDRVIDVGSEWRTFSNDKATKDPSRVGDS  
 QNPLLSDGDLSTMIGKGTGAASFDEFNGSKYQNRRTMSSSDRAMNFAKEITTMADRINLPRNIVDRNTNN  
 LFKQVYEQKSLKGRANDAIASACLYIACRQEGVPRTFKEICAVSRISKKEIGRCFKLILKALETSDVLIT  
 TGDMSRFCSNLCLPKQVQMAATHIARKAVELDLVPGRSPI SVAAAAIYMASQASAEKRTQKEIGDIAGV  
 ADVTIRQSYRLIYPRAPDLFPSDFKFDTPVDKLPQL

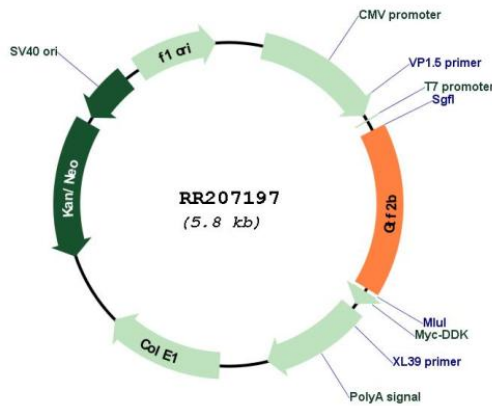
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_031041

<b>ORF Size:</b>	948 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031041.1</a> , <a href="#">NP_112303.1</a>
<b>RefSeq Size:</b>	1227 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	81673
<b>UniProt ID:</b>	<a href="#">P62916</a>
<b>Cytogenetics:</b>	2q44
<b>MW:</b>	34.8 kDa
<b>Gene Summary:</b>	putative subunit of RNA polymerase II [RGD, Feb 2006]