

Product datasheet for **RR209035**

Gtf2a2 (NM_053345) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf2a2 (NM_053345) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gtf2a2
Synonyms: MGC188808
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209035 representing NM_053345
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCATATCAGTTATACAGAAATACAACCTTTGGGAACAGTCTTCAAGAGAGCCTTGATGAGCTCATA
AGTCTCAACAGATCACCCCCAGCTTGCCTTCAAGTTCTACTTCAGTTTGATAAAGCTATAAATCAGC
ATTGGCTCAGAGAGTCAGGAACAGAGTCAATTTAGGGGCTCTCTAAATACATACAGATTCTGCGATAAT
GTTTGGACTTTTGTATTGAATGATGTTGAATTCAGAGAGGTGACAGAAGTTATTAAGTGGATAAAGTGA
AAATTGTAGCCTGTGATGGTAAAAATACCGGTTCCAATACCACGGAA**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RR209035 representing NM_053345
Red=Cloning site Green=Tags(s)

MAYQLYRNTTLGNSLQESLDELISQSQITPQLALQVLLQFDKAINSALAQRVNRVNFGRSLNTRYFCDN
VWTFVLNDVEFREVTELIKVDKVKIVACDGKNTGSNTTE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

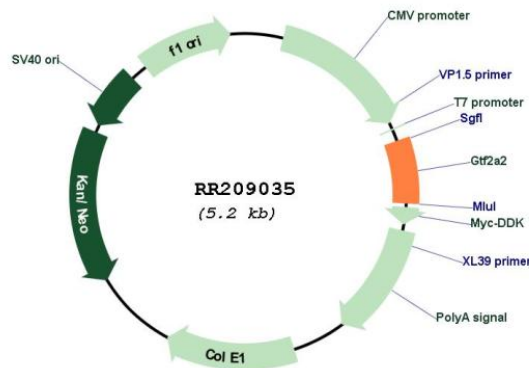


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Cloning Scheme:



Plasmid Map:



ACCN: NM_053345

ORF Size: 327 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:	<u>NM_053345.1</u> , <u>NP_445797.1</u>
RefSeq Size:	330 bp
RefSeq ORF:	330 bp
Locus ID:	83828
UniProt ID:	<u>O08950</u>
Cytogenetics:	8q24
MW:	12.5 kDa
Gene Summary:	mouse homolog is a subunit of one of the general transcription factors that, with RNA polymerase II holoenzyme, forms the preinitiation complex to initiate transcription of class II genes [RGD, Feb 2006]