

Product datasheet for **RR209066**

Gtf2e1 (NM_001100556) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gtf2e1 (NM_001100556) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gtf2e1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209066 representing NM_001100556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGACCCAGATGTTCTCACTGAAGTTCAGCAGCATTGAAGCGTTAGCCAAGTATGTCATCCGGG
 GCTTTTATGGCATTGAGCATGTGTTGGCCTTGGACATCTTGATCCGGAACCCCTGTGTAAGAAGAGAGGA
 CATGCTGGAGCTGCTCAAGTTTGACCGAAGCAGCTTCGATCCGTTTTGAATAATTTAAAGGGAGACAAG
 TTCATCAAATGCAGAATGAGGGTAGAGACTGCTGCAGATGGGAAGACCACCCGCCATAACTACTACTTCA
 TCAATTACCGCACTCTTGTTAATGTAGTGAAGTATAAGCTGGACCACATGAGAAGGAGGATTGAAACGGA
 TGAGAGAAACTCCACCAATCGGGCTTCTTCAAATGTCCTGTCTGCTGCAGCACTTTCACTGACCTGGAA
 GCTAATCAGCTGTTTGAACCCATGACAGGAACCTTCCGCTGCACCTTTTGCCAGGCAGAGGTAGAAGAAG
 ATGAATCAGCAATGCCAAAAAAGATGCGCGCACACTTTTGGCAAGGTTAATGAACAAATTGAGCCCAT
 TTATGCATTGCTTCGAGAGACAGAGGATGTAACCTTGGCCTACGAAATACTTGAACCAGAACCCACGGAA
 ATCCCAGCCCTGAAGCAGAGCAAGGACCGAGCAGCAAGTGTGCTGGAGCGGCTGGCCTGGCAGGTGGGC
 ACCACCGGAAGCATGGACCAACAAAGGCCCTCTTATGAAGACTTGATACTCAGAATGTTGTCATCAG
 CATGGACGACCAAGACGATGTGCATCGCACCTCGCTGGAAGGGAAAGCCGCCAAAGAGAGACCCATTTGG
 TTGAGAGAGAGCACTGTCCAGGGGGCGTACGGTCTGAAGAGATGAAGGAAGGTGGCATCGACATGGACA
 CATTTCAGGATCGAGAGGAAGCCCGTGCAGGGCCCTGATGACAACGAGGAGGTGATGCGAGCTCTACTCAT
 TCATGAGAAGAAGACGTCTTCGGCGACAGCTGGCTCAGTGGGAGCAGCCGCTCCGGTGACTGCTGCCAAC
 GGCAGTGAAGTCTGAGAGTGAAGATGAGGAAGTACGAGTTTGGGAAGTAGCAGATGACCCCGTTGTTATGGT
 GGCTGGCTGCCATTCTCTACAGTGAAGTGTAGCCAGCGCCAGAGTTGGTAGCTCAGATGACACCAGAA
 GAAAAGGAAGCCTACATAGCCATGGGCCAGCGGATGTTTGAAGATCTCTTCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209066 representing NM_001100556
 Red=Cloning site Green=Tags(s)

MADPDVLTEVPAALKRLAKYVIRGFYGIHVLALDILIRNPCVKEEDMLELLKFDRKQLRSVLNLLKGDK
 FIKCRMVETAADGKTRHNYFIFYNYRNLVNVVKYKLDHMRRIETDERNSTNRASFKCPVCCSTFTDLE
 ANQLFEPMTGTFRCTFCQAEVEEDESAMPKKDARTLLARFNEQIEPIYALLRETEDVNLAYEILEPEPTE
 IPALKQSKDRAASAAGAAGLAGGHHREAWTNKGPSYEDLYTQNVVISMDDQDDVHRTSLEGKAAKERPIW
 LRESTVQGAYGSEEMKEGGIDMDTFQDREEARAGPDDNEEVMRALLIHEKKTSSATAGSVGAAAPVTAAN
 GSDSESETSESDDSPRPAAAAAPHHRDEEEDDEFEEVADDPVVMVAGCPFSYSEVSQRPELVAQMTPE
 EKEAYIAMGQRMFEDLFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

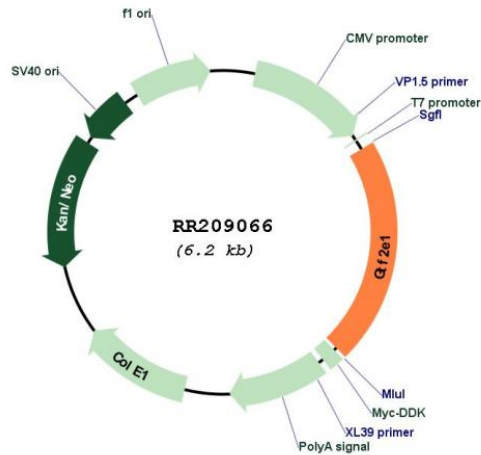
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001100556
ORF Size:	1314 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_001100556.1 , NP_001094026.1
RefSeq Size:	2897 bp
RefSeq ORF:	1317 bp
Locus ID:	303918
Cytogenetics:	11q21
MW:	49.2 kDa