

Product datasheet for **RR205731**

Gtf2a1l (NM_001012136) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2a1l (NM_001012136) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2a1l
Synonyms:	Gtf2a1lf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205731 representing NM_001012136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCTTCGTCAACCTGGTGCCCAAACCTCTACCGATCTGTAATTGAAGACGTAATCGAGGGTGTGCGGG
 ACCTCTTTGCTGAGGAAGGCATCGAGGAGCAGGTGTTGAAAGACCTGAAGAAGCTCTGGAAACCAAAGT
 TTTACAATCTAAAGCGACAGAGGACTTCTTCAGAAATAGTGTGCAGGCGCCCCCTTTACCCCTCCAGCTG
 CCACATGGCTTACCGCCAGCACTGCAATCAACAGCATCGTTGCTGATCCCGGCTGGTAGAACCTCCAGA
 GTTTTACGCCAGAAGACCTGAATGCCAGCTGTGCAGCAAACCTTCGCCCTTCTGGCTATCCGATTACGT
 CCCAGCAGGCATGGCCCTCCAGACGGCGTCCGGTCACTTTACAAAGTCAATGTACCAGTCGTGGTGACA
 CAGACTTCAGGGAGAGCAGAGATTCTCCAGCATCCGTTTCAGCAAGTCCTTCAGCAGCTTGGGCAGCCTT
 CAATAATACAGACCACGGTTC AACATTGCACCCATGCTCTCTTCAAGCCGAAACTGAGAAATCACACAG
 AATGGAGACTGCGCTGCAACAGCCTACCGTTCTGCATTCCACTCCAGTGGACAGGAAACACACAGAAAAT
 GCTACCAGCGAGAGGCGTGTCTCCCTGGGAATGAGCTTCGGCCGAGGAAAGCACTCAGTACATCAGCC
 TTCCAGGTGTGGGGTTTCTCCTCAGGTCGCTCTAACAGAGTCTAGCCTGGAGCCAGTGCTCGGTGCCTC
 AGCAAACCTGACTCAGAACTACATGGTGGTCTTTTACACAGGGCCCTCCGGGCACTCTCCGCCACCAC
 GTGCTTGACACACAGCTTCATAGCCTTAGAGACAGGATATATGGATGTGATTCTGTAAAGCAACTGAGGA
 AAATAGAGGAGCCAGCAGCCTCCGTGTGTGAGAGAAGAGTTGTACTTCTGAGAGGGATCTGAATATTCA
 GGTAACCGATGATGATATTAATGAAATAATTCAAATAGATGGAACCGCGATAACTCTTCTGCTGAAGAG
 GGGGAAGCATAAGGGATGCAGATGAGAATGAATTTCCAGGGATCATTGAAGCCGGCGACCTTAAGGTAC
 TTGAGGAAGAAGTGACAGCGTATCAAATGAAGATTCAACTGCAAACAGCAGTGACAACGAGGACCATCA
 AATAGACGCCCTAGAAGAGGATCCCTAAATTCTGGAGATGATGTCAGTGAGCAGGACGCGCCAGACCTG
 TTTGACACAGATAATGTAATTGTCTGTCAAGTATGATAAGATTACCGGAGTAAGAACAGATGAAAATTCT
 ACTTGAAGATGGAGTCATGTGCTTTGGAGGGAGAGACTATGTGTTTCAAAGGCCATTGGTGAAGCCGA
 GTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205731 representing NM_001012136
 Red=Cloning site Green=Tags(s)

MAFVNLPKLYRSVIEDVIEGVRLFAEEGIEEQVLKDLKKLWETKVLQSKATEDFFRNSVQAPLFTLQL
 PHGLPPALQSTASLLIPAGRTLQSFTPEDLNASCAANFAFGPYIHVPAGMALQTASGHLKVNVPVVVT
 QTSGRAEILQHPFQQVLQQLGQPSIIQTTPVTLHPCSLQAETEKSHRMETALQQPTVLHSTPVDKHTEN
 ATSERRVLPGNELRPQESTQYISLPGVGFPPQVALTESSLEPVLGASANLTQNLHGGPFTQGPPGTLRHH
 VLDTQLHSLRDRIYGCDSVKQLRKIEEPSSLRVSEKSCTSERDLNIQVTDDEINEIIQIDGTGDNSSAEE
 GGSIRDADENEFPGIIEAGDLKVL EEVDSVSNEDSTANSSDNEDHQIDALEEDPLNSGDDVSEQDAPDL
 FDTDNVIVCQYDKIHRSKNRWFKYLDGVMCFGGRDYVFAKAIGEAEW

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012136

ORF Size: 1404 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_001012136.1](#), [NP_001012136.1](#)

RefSeq Size: 1602 bp

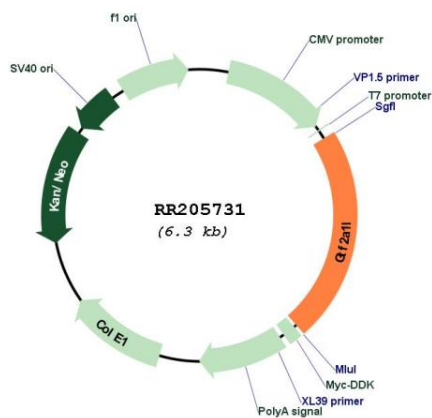
RefSeq ORF: 1407 bp

Locus ID: 316711

Cytogenetics: 6q12

MW: 51.6 kDa

Product images:



Circular map for RR205731