

Product datasheet for **RR208614**

Gtf3c2 (NM_001025120) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf3c2 (NM_001025120) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf3c2
Synonyms:	TFIIIC110
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208614 representing NM_001025120
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATACCTGCGGGTTCGGCTATGTTGCCTGGGGAGGCCACCCCGTGGGAGCATGATTGTGGTAG
 ACTCTCCTGGACAAGAAGAACTAAACCAGCTGGATGTCAAGGCCCTCTCAGAAACGTCCAGTGTGGAGGC
 CTCCATCGAGATGTCACTACCTCCTCCTGCCTGGATTGAGGATTCTTCTGACAAAGAGGAGGCTTCT
 CCAGATCAGGAGAGCCTCACCAGATTGGAACAGCAAGATCTTTCTCAGAGATGGCAAAGGTCTCAAACC
 CTAGGGCCTCAAAGCCTTCCGGGAGGAGAGGTGGTAGGACACCAAGAGGCCGTAAAAGGCCCTCAGCAACG
 TAAACCTCCATCCGCCCTCTGGTTCCTGGTCTTTTAGATCAGTCCAACCTCTGTCCACCCCATGCT
 AAGAAACGAAGTCAAAGTCCAAGGAGACCTGCTACTATTGAAGTTGTCAAAGGCCCTAGATCAGCCAG
 AGTCTCCACATCAAAGAGGCCCCCGAGGACTTTGAGACCCCTCTGGGGAACGACCCCGCGAAGGGC
 TGCCCAAGTGGTGTGCTGCCAACCCAGGTTGGCCTCGAACTTGGATCCTCCAACTCAGCCTCCCGA
 GTGCTGGGATTGACGGCTGCGCCACCACCTGGCTCTCCATCACATTTTTACAGACTTCCCCAGGG
 CACTTCTGTATCTTCAGGAACTAGCTGAAGAACTCCACGGCCCTGCCTGCACCCTGTCTGGGCTAA
 GAGTCCCAAGGTGAGCAGCCCAAGCCGAAGAAGACCCGGCAAGCAGCCTCTCAGGGTGAAGAAGAT
 GGACGTGCTCGGGATGAAGACTTTGTTCTCCAGGTCGAGGGTGAGGATGAGGAAGAGAGTGAAGCCCGA
 GTGAGAACTCATCTGATCCTGAGCCTGTGCACCCGAAGCACCACCGGGACCTGTGCAGGGAAACA
 GAAACCACACTGCCGGGGCATGGCTCCCAATGGCTTACCAATTACATCATGGCTCCTGTTTGAAGTGC
 CTCCACCTCACAAGGACTCCGAGAGCAGCAGCATTCTTCTGGGAGTTTGTGAGTGGATTCCAGTAG
 CCTGGAAGTGGCAGTTGTTATCTGAACCTGAAGCGGCTCCCTACCTGCCCAGGAGGAGAAGTCTCCCT
 GTTTTCTGTACAGCGTGAAGGGATTCTGAGGACGGCACAATCTACCGAATAAACAGATTTAGCTCAATC
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 GCTCAGCAGCCCCAGATGCTATGAAACCTGCCATCTACAAGTCCAGTGTGGCAACTCTCAGTGG
 GGCTGTACAAGCTTCAGACCCCTCTGAGTGTGGTCAAGTCCCTTACCTGGCTTGGATGCCTACCGGCC
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 CTCAAAGGATACGACTCTCTGATGGCTCCTTAAAGCTGTACCCCTTCCAGTGTTCCTAGCCCATGACC
 AGGCTGTTCTGATAAATCAGTGGTGAAAGCTAACAGTCAATTCCTGGTGTCTGCAGGGAGTGACCGGAA
 AATCAAGTCTGGGATCTTCGACGACCTTATGAACCAATAAATGTATCAAGCGCTTCTTGTGATACAGAG
 CTTTCTGGCTGCTCCCTACAATGGTGTACAGTGGCTCAAGACAACCTGTTATGCCTCTTACGGGCTCT
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 TATAAAGCAGATCTGATACCATACCAGGACAGCCCTGAAGACCAAGACTACTCCTCGACCTCCTCTGA
 GACCCCAACCTCCCAAGGCGAGGACCTACACTGAGACCATCAACCACCACTACCTGCTCTTCAAGAC
 ACAGATCTGAGCTCCTTCCACAATCTGCTTCGTAGAGAACCGATGCTTCGCATGCAGGAAGGAGAAGGGC
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 CTCCTATGGATGGCTGGTATCTGGGGGAGTCAAGGCTGGTTCGGATCCATTTGTCCGTGGACTCACC
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 CAACTGAAGGCCTGGTTTCTCTCCAAGCAGCCATTGCCTTCTCCCTAATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208614 representing NM_001025120
 Red=Cloning site Green=Tags(s)

MDTCGVGYVALGEADPVGSMIVVDSPGQEELNQLDVKASSETSSVEASIEMSLPPPLPGFEDSSDKRRLP
 PDQESL TRLEQQDL SSEMAKVSNPRAKPSGRRGGRTPRGAKRPQQRKPPSAPL VPGLLDQSNPLSTPMP
 KKRSQKSKGDL LLLKL SKGLDQPE SPHPKRPPEDFETPSGERPRRRAAQVVSLPNPGWPRTCDPPNSASR
 VLGLQACATTPGSPSHFSQTSRALLYLQELAEELSTALPAPLSGPKSPKVSSPTKPKKTRQAASQGEED
 GRARDEFVLQVEGEDEESEAPSENSSDPEPVAPRSTPRGPAAGKQKPHCRGMAPNGLPNYIMAPVWKC
 LHLLTKDLREQHSFWEFAEWIPVAWKWQLLSELEAAPYLPQEEKSPLFSVQREGIPEDGTIYRINRFSSI
 TAHPERWDVSFFTGGLWALDWCVPVEGSAASQYVALFSSPDMNETHPLSQLHSGPGLLQLWGLGTLQQE
 SCPGNRAHFVYGIACDSGCIWDLKFCPSGAWHPETLRKAPLLPRLGLLALACSDGKVLFLSLPHPEALL
 AQQPPDAMKPAIYKVQCLATLQVGSVQASDPSECGQCLSLAWMPTRPHHHLAAGYNGMVVFWNLPTNSP
 LQRIRLSDGSLKLYPFQCFLAHDQAVRTIQWCKANSHFLVSAGSDRKIKFWDLRPYEPINCIKRFSTE
 LSWLLPYNGVTVAQDNCYASYGLCGIHYIDAGYLGFKAYFTAPRKTVWLSGSDWLGTVAAAGDISGELI
 AAILPDMASNPINVKKAERRFPIYKADLIPYQDSPEDQDYSSTSSETPNPPKARTYTETINHHYLLFQD
 TDLSSFHLLRREPMLRMQEGEGHSQLCLDRLQLEAIHKVRFSPNLDYSYGLVSGGQSGLVRIHFVRGLT
 SPLAHRVQLESANFNAMFQPSFPTEGPGFSPSSHCLLPNP

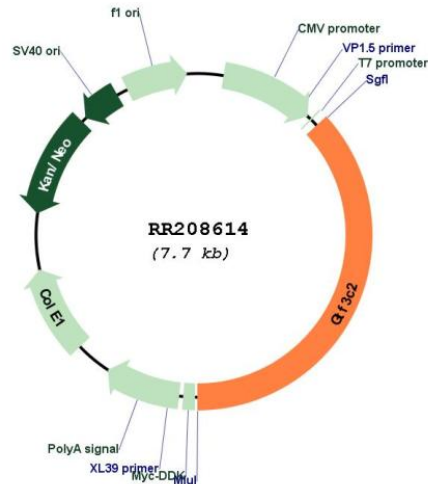
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001025120

ORF Size: 2853 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_001025120.1](#), [NP_001020291.1](#)

RefSeq Size: 3904 bp

RefSeq ORF: 2856 bp

Locus ID: 313914

Cytogenetics: 6q14

MW: 104.9 kDa