

Product datasheet for **RR211902**

Gata5 (NM_001024316) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata5 (NM_001024316) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gata5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR211902 representing NM_001024316 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTACCAGAGCTTGGCGCTGGCCAGAGCCCCGCCAGGGTACCTACGCCGATTCTGGACCCCTTCTGCG
ATTCTTCGGGAGCCGGTTCCTCGGTGTTTCGTGGCACCCTCGCGTGCCCTCCATGCTGCCGTACCTGCC
TTCGTGTGAGCCGGGCTCGCAGCCTCCCGCGCTCGCCGCGCACTCTAGCTGGACGCAAGCGGTTCCCGT
GAATCCTCAGCCTTCGGCTCCGGAAGCCCGCACCCGCCAGCCACACACCCACCGGAGCCACCGCCTTCC
CGTTCGCTCACAGCCCCCTCGGGTTCGGGCGAGCGCGGAGTCCGGGACGGCGCCGCTTCCA
GAGCGCCCTGCTGGCTCGCGAAGTATCCGACTGCGCTCGGGAGGCCCATGAGCGCCTCGTACCCACACA
ACCTACCCAGCATACGTGAGTCCCGACGTAGCCCTTCGTGGACCTCTGGACCTTCGACAGCAGCATCC
TGACGGTCTGCAAGGTGCGCCTGGTGGCTCCCTGGCCGAGGACCACCTTCGTACCTGACTTCTTGGA
GGAGTTCCTGGTGAGGGCCGGAGTGTGCAACTGTGGAGCCCTGTCTACCACTGTGGCGCAGGGAT
GGCACCAGGACACTATCTATGCAACGCCTGTGGCTCTATCACAAGATGAATGGGGTCAACCGACCGCTAG
TGAGGCCCCAGAAGCGTCTGTCTCATCCGTCGATCTGGCTCTGCTGTTCCAAGTCCACACTGCTAC
CACCACCTCTGGAGGCGCAACGAGAGGGGAACCAAGTGTGCAACGCCTGTGGCTCTACATGAAGCTC
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CTGCCAAAATCAAGGGCTCCTCGGGATCCACAGCCAACAGCACAGCCTCTTCTCCCACTCTCTCAACAC
CGAGAGCTCAGCCACCACTTTGAAGGCAGAGTCCAGTCTGGCATCTCCAGGGTGTGCTGGACCCACTATC
ACCTCCAGGCCTCCAGCCAGCGGACGAATCCCTGGCCTCCAGCCATTTGGAGTTCAAGTTCGAACCTG
AAGACTTTGTCTTACCTCCTCGTCCCTGAGCCCCAGGCTGGTCTCAGTGGGGTCTACGTGAGGAGG
CTGGTGTGCCCTGGCCTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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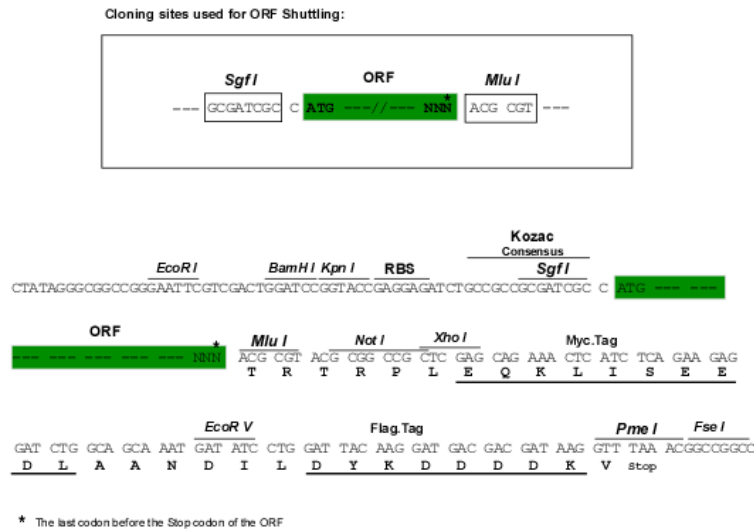
Protein Sequence: >RR211902 representing NM_001024316
 Red=Cloning site Green=Tags(s)

MYQSLALAQSPGQGTADSGPFLHSSGAGSPVFVAPTRVPSMLPYLPSCPEGSQPPALAAHSSWTQAVSA
 ESSAFSGSGSPHPATHPPGATAFPFAHSPSGSGSGGSAGVRDGAAFQSALLAREQYPTALGRPMSASYPT
 TYPAYVSPDVAPSWTSGPFDSSILHGLQGRPGGLPGRRTTFVPDFLEEFPGEGRECVCNCGALSTPLWRRD
 GTGHYLCNACGLYHKMNGVNRPLVRPQKRLSSRRSGLCCSNCHTATTTLWRRNAEGEPVCNACGLYMKL
 HGVRPLAMKKESIQTRKRKPKNPAKIKGSSGSTANSTASSPTLLNTESSATTLKAESSLASPGCAGPTI
 TSQASSPADESLASSHLEFKFEPEDFVFTSSSLSPQAGLSGVLRQEAWCALALA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024316

ORF Size: 1212 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_001024316.1, NP_001019487.1

RefSeq Size: 2110 bp

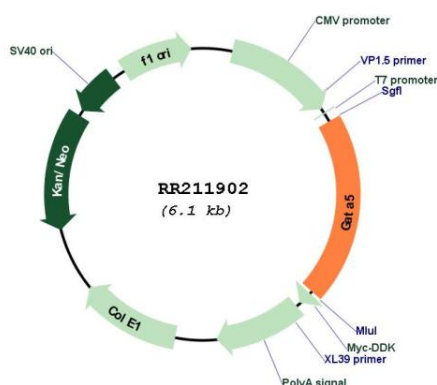
RefSeq ORF: 1215 bp

Locus ID: 499951

Cytogenetics: 3q43

MW: 42.1 kDa

Product images:



Circular map for RR211902