

Product datasheet for **RR202183**

Rfx5 (NM_001107694) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfx5 (NM_001107694) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfx5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202183 representing NM_001107694
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAAGATAACCCCTGATGCTAAGAGCCCCAAGACTGGGGCAAGGCCCAAGGTGGTGTGCTGAGGCTG
 GGGAACTACCACCTTCTCCAGAGGCTCCGAGGTACCATTTCCAAGCCGTGCAGAACAAGTAGAGGG
 GATTCTGCAAGAAGTACAGAAGTTCTCAGACAACGACAAGCTGTACCTCTACCTGCAGCTTCCTTACGGG
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 GGATCCGCAACCACCTGGAAGAGCACATGGACACCTGTCTGCCAAAGCAGAGCGTCTATGATGCCTATCG
 AAAGTACTGCGAGAGCCTTGCTGTTGCCGCCACTCAGCACAGCGAACTTTGGTAAAATCATCAGAGAG
 ATCTTCCCTGACATCAAGGCCCGAGACTTGGTGGTGGGGCCAGTCCAAATATTGCTACAGTGGCATA
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 GCGGAGCGGATCTGAAGCGGTCTTCACTTCCATCGTTCAAGTGGCCCGGTACCTCCTGCAGCAGCACC
 TCATCTCAGCCCGGTCCGCACATGCTCACGTTCTCAAGGCAGGGGGCTTGCCGAAGAGGAAGAAAGAGG
 CCCTCGAAGCGTATCATGTAAGTCCAAGAATGGTGTAGAGAACCTGGAAGGTGGAGGACCTAAGAAA
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 GCCACGCTGCCTTCCGACCAGGGTAGGAGGACCCAGGCTGCTGTACCATCATTAAACATGATCTTAC
 CACTGTTCTACTCTGTGAGGGCTGGGCTGGGCTGGGCTGGGCTAGGTTGGGCCAGGGCCTGG
 GTCAGGGTCAGGGCCTGGGCTTGGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTAGGTTGGGCCAGGGCCT
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 AAAACAGGGGGAGTGGGAGAGAAACGCCACTCCTGAGAAGTCTGCGGCTGCTGTGAAGTCCCCCGA
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 AGGAGAAAAGAGCTTGAAGTCCAGGAAGCCAAAGAAGCAGAAGATAAAATTCCTCCTGTACCTCAAAA
 GTGAGTGTATCAAGGGCAGAATTCAAAGGAGGCTCTTCAAGTGGTAAAGGGAGAGGCTGATGCTGCAA
 CACAGGGCAACAAGGGTTAAAGGGCCGTGACTTCAAAGTTCCTAACCATGAGCATAAAGACCCCAA
 AGCAACACCCCA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202183 representing NM_001107694
 Red=Cloning site Green=Tags(s)

MAEDNPDAKSPKTGARPQGGAEAGEPTLLQRLRGTISKAVQNKVEGILQEVQKFSNDKLYLYLQLPSG
 PSTGDKSSEPSILSNEEYMYAYRWIRNHLEEHMDTCLPKQSVYDAYRKYCESLACCRPLSTANFGKIIRE
 IFPDIKARRLGGRGQSKYCYSGIRRKTLVSMPLPGLDLKGSESPEMGPEVSPAPRDELVEAACALTCDW
 AERILKRSFSSIVQVARYLLQQHLISARSAHAHVLKAGGLAEERGPRESRSSCKSKNGVENLEGGGPKK
 PERPAQPPKELEARAGTDSGRSERKKSVIDSSVPAASKPQVNALVARLPVLLPRAPRSLITPISGTLKV
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 GLGPGLGAGVGPGLGAGPGQRPGLRAGVGPGLGAGLGLGPRVPPRAPILPRGTESREVGISGDP
 PHDKGVKRTAEVPLSEASGQDPVKEMKHETEDTVSEAKRKRGRPRKKTGGSGERNATPEKSAAVNSPR
 SPRLWETWGSKRENNLVGRPERPGAVGEAQRETVLAQQQEDGAVSKGEKSLSSQEAKEADKIPPVTSK
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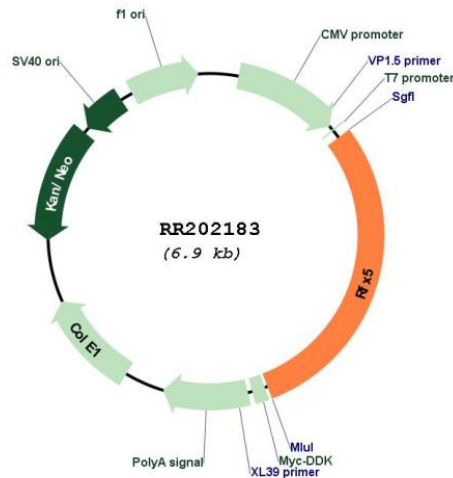
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107694

ORF Size: 2043 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_001107694.1](#), [NP_001101164.1](#)

RefSeq Size: 4175 bp
RefSeq ORF: 2046 bp
Locus ID: 310659
Cytogenetics: 2q34
MW: 71.5 kDa