

Product datasheet for **RR202981**

Rft1 (NM_001135866) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rft1 (NM_001135866) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rft1
Synonyms:	RGD1562654
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR202981 representing NM_001135866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAGCCAGGAGGTACTGGGCCAGGCGGCCGGCTGGCTCCTCGGGTCTCCTGCTGCAGTCTTGT
 TCCGATTAATCACCTTTGTCTTGAATGCAATTTATTCTTCGCTTCCTGTCAAAGGAGATTGTGGCGTAGT
 GAATGTCAGACTAACACTGCTTTACTCAACCACCATCTTCTGGCCCGGAGGCCTTCCGAAGAGCTTGT
 CTGAGTGGGGTACCCAGCGGGACTGGACTCAGACCCTCAACCTCCTGTGGCTAACTGTCCCCCTGGGTA
 TATTTGGTCTTGTGCTTGGGCTGGTCTGGTTGCAGTTGCTTGAAGTACCTGATCCAAATGTGGTCCC
 CTACTATGGAAGTGGCGTCTGCTCTTTGGTCTCTCAGCAGTCTGGAACCTCTGGGAGAGCCTTTTTGG
 GTCTTGGCGCAAGCACATATGTTTGTAAACTCAAGTACTTGTGAGAGCATGTCGGTCATCCTCAGGA
 GTGTGCTGACGGCTCTTCTGGTCTGTGGCTGCCTCACTGGGGTCTGTACATCTTTCTTTGGCTCAGCT
 TCTCTACACGGCTGTCTGGTCTGTATATGCTCTATTTAATAAACTACTGCGTTCGCCAGAAATCA
 TCCAAGCAACTGACTCTTCTATCTCAAAGTAACACAACCTGTTGCCAGTATTTCAAGAAGAAAAGCCT
 TTGTCAATTGGAACGAGGCTAGGTTGACTTGGAGCTTTTTCAAACAGTCATTCTTGAAACAGATTTTGAC
 AGAAGGTGAGCGATACGTGATGACATTTTTGAATGATTAACACTTTGGCGACCAGGGTATATACGATATA
 GTGAATAACCTCGGCTCCCTTGTGGCCAGGCTAATTTCCAGCCAGTAGAGGAGAGTTTCTATATATTCT
 TTGCTAAAGTGCTAGAGAGGGAGAAGGACGCCTCACTTCAGAAGCAGGATGATGTTGCTGTGGCTGCCGC
 TGTTTTGGAGTCCCTCCTCAAGCTGGCCTTGTGACTGGACTGACCGTCACTGTTTTGGCTTTGCCTAT
 TCTCAGTTGGCTTTGGACATCTATGGAGGAGCCATGCTTAGTTCGGGATCTGGCCCTGTGTTGATGCGGT
 GCTATTGCCTCTATGTCCTCTGCTTGGCGTCAATGGTGTGACAGAGTCTTACCTTTGCTGCCATGAG
 CAAAGAGGACGTTGACAGGTACAATTTCCACCATGCTGGCACTGTCTCCTCGTTTTTAGTCTTATCCTAC
 CTGCTGACCAGTTGGTGTGGCAGTGTGGCTTCATCATGGCCAACCTGCTTAAACATGGGCATCCGGATCA
 CACAGAGCCTTTCTTCCATCCACTACTTCCAAGAGAGCCCCACAGACCGCTGGCTGGCCTGCTCCT
 GTCACCAGTTCTTGGAGTATTCGTCTCAGTGCGGCATTACGAGTGTCTCAGAGGCATTCTCTGCTG
 TGTGAGCGGGCTGGCCGGCTAGGCTGGCACACATTGCTGTGGGGACCATCTGCTTAGGAGTGACTCTTG
 GGACAGCGTTCTCACAGAGACCAAGCTGATCCACTTTCTCAGGACTCAGTTGGGTAGATCCAGACTTGG
 TGACAAAATGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202981 representing NM_001135866
 Red=Cloning site Green=Tags(s)

MGSQEVLGQAARLASSGLLLQVLFRLITFVNAFILRFLSKEIVGVVNVRLTLLYSTTIFLAREAFRRAC
 LSGGTQRDWTQTLNLLWLVPLGIFWSLCLGWVWLQLEVPDPNVVPPYYGTGVLLFGLSAVVELLGEPFW
 VLAQAHMFVKLVLAESMSVILRSVLTALLVLWLPHWGLYIFSLAQLLYTAVLVLCYMLYLKLLRSPES
 SKQLTLPISKVTQLLPSISRKAFVNWNEARLTWSFFKQSFLKQILTEGERYVMTFLNVLNFGDQGIYDI
 VNNLGSVARLIFQPVEESFYIFFAKVLEREKDASLQKQDDVAVAAAVLESLLKLLALLTGLTVTVFGFAY
 SQLALDIYGGAMLSSGSGPVLRCYCLYVLLLAVNGVTECFFAAMSKEDVDRYNFMLALSSSFLVLSY
 LLTSWCGSVGFIMANCFNMGIRITQSLSFIIHYFQESPHRPLAGLLLSPVLLGVFVLSAGITSVSEAFLC
 CERGWPARLAHIAVGTICLVTLGTAFLTETKLIHFLRTQLGRSRLGDKMT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001135866

ORF Size: 1623 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_001135866.1](#), [NP_001129338.1](#)
RefSeq Size: 2166 bp

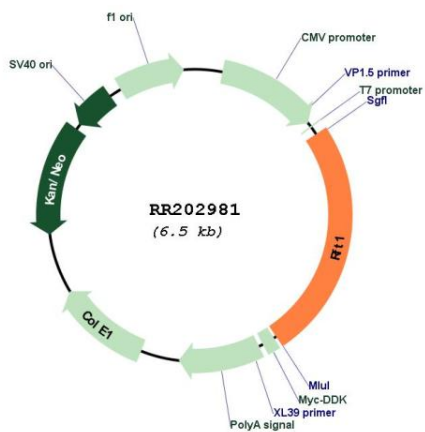
RefSeq ORF: 1626 bp

Locus ID: 290552

Cytogenetics: 16p16

MW: 60.3 kDa

Product images:



Circular map for RR202981