

Product datasheet for **RR206880**

Rpf1 (NM_001100794) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpf1 (NM_001100794) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpf1
Synonyms: Bxdc5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206880 representing NM_001100794
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCGAAGGCCGGCGAGAAAAGTGGCGGTGGTGGCAAGCGAGGCTTGAAGAGGAAAGCGCCCGCTGAAG
AGCCTCAAGAACTGCGGTCGCGAGCGATGGGACGGCGGAGAGCGGGGTACAGTCCGCGAAAGCGGCTGC
CTTCCCCCGGGCTTCAGTATCTCGGAGATTAAGAACAACAGCGGCGACACTTGATGTTACGCGGTGG
AAACAGCAGCAGCGGAAGGAAAAGTTGGCAGCTAAGAAAAAATTTAAAGGGAGAGAGAGGCTCTTGGTG
ATAAGGCTCCACCGAAGCCTGTACCCAAGACCATTGACAACCAACGCGTGTACGATGAGACCACAGTAGA
CCCCAATGATGAAGAGGTGGCTTATGATGAGGCTACAGATGAATTTGCTTCTTACTTCAACAGACAGACG
TCTCCTAAGATTCTTATCACAACCTCAGACAGACCTCATGGGAGAACAGTACGACTCTGTGAGCAGCTCT
CAACAGTTATACCGGATTCACATGTTTTATTACAGAAGAGGACTGGCTCTGAAAAAATTATCCCACAGTG
CATTGCAAGAGATTTACAGACCTAATCGTTATTAATGAAGATCGTAAAAACCAATGGACTTATTTTTG
AGTCATTTGCCAAATGGTCCAACCTGCTCATTTTAAATGAGTAGTGTTCGTCTTCGTAAGAAATTAAGC
GACGAGGCAAAGACCCACAGAACATGTACCTGAGATAATTCTAAACAACCTTACCACACGGCTAGGTCA
CTCTATCGGACGTATGTTTCTCTCTCTTCTCATAACCCTCAATTTATTGGAAGACAAGTTGCCACG
TTCCACAATCAGCGGGATTACATCTTCTCAGGTTTCACAGATACATATTCAAGAGTGAAAAGAAGGTGG
GAATTCAGGAACCTGGACCAGTTTTACCTTAAATACGATCTCTGCAGAAGGGAACTTTGATTCCAA
GTATGGAGAGTATGAATGGGTCCATAAGCCACGGGAAATGGATACAAGTAGAAGAAAATTCATTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206880 representing NM_001100794

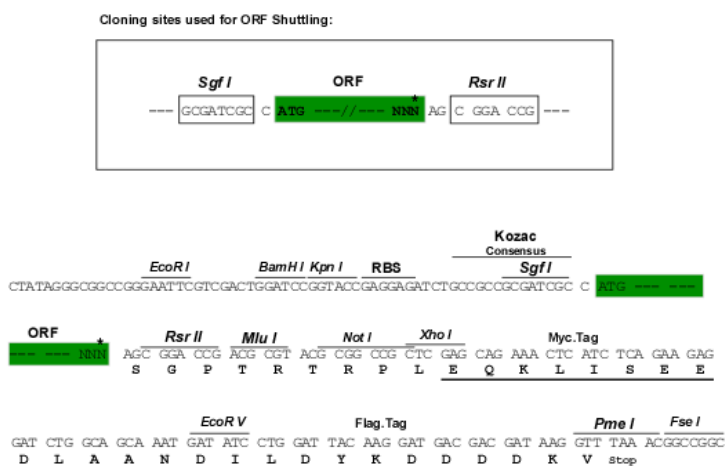
Red=Cloning site Green=Tags(s)

MAKAGEKSGGGGKRGLKRKAPAEEPQETAVASDGTAE SGVQSAKAAAFPPGFSISEIKNKQRRHLMFTRW
 KQQQRKEKLAAKKKLKREREALGDKAPPKVPKTI DNQRVYDETTVDPNDEEVAYDEATDEFASYFNRQT
 SPKILITTSDRPHGRTVRLCEQLSTVIPDSHVYRRGLALKKIIPOCIARDFTDLIVINEDRKTPNGLIL
 SHLPNGPTAHFKMSSVRLRKEIKRRGKDPTEHVPEIILNNFTTRLGHSIGRMFASLFPHPNPQFIGRQVAT
 FHNQRDYIFRFHRYIFKSEKKVGIQELGPRFTLKLRLSLQKGTFD SKYGEYEWVHKPREMDTSRRKFHL

SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

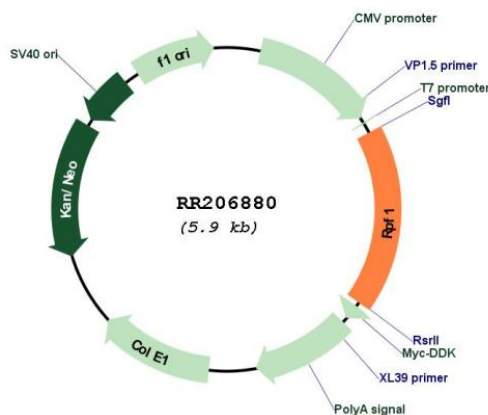
Restriction Sites: SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001100794

ORF Size: 1047 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:	<ol style="list-style-type: none">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_001100794.1 , NP_001094264.1
RefSeq Size:	1308 bp
RefSeq ORF:	1050 bp
Locus ID:	499725
Cytogenetics:	2q44
MW:	40.1 kDa