

Product datasheet for **RR201734**

FkbpI (NM_001002818) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FkbpI (NM_001002818) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FkbpI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201734 representing NM_001002818 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACCTCACTTATCAGCCCAATGAAAGAGAACAACACCGCACAACCGCAGCAGCGGGAAGAGAACA
 CCCAGCAAAACCTAAATGCAGCCGTTCCGATTAAGCAGCAGTCCCAGGTCTTCTCCCTGAAGCCCTGGA
 GGTGGGAGTGAAACCAGATCCAGCCAGTCAAATTTAGCGACTCAAGAGATTGAAATCCCGTAGCTGGA
 TTTGAAGGTGACTCTGATAAATTTACATCTCCACCGATGAGATGGCAGAGCACCTTCAAGCTTCTGATC
 TTTGGTACTGCCCTGATGGGAGTTTGTAAAGAAGATCATAGTTTCATGGCCACGGCTTAGACAAACCCAA
 GCTAGGCTCCAAATGCCGAGTGTTGGCTTTGGGGTTTCCTTTTGGATCTGGGATGCCAGAGGGCTGGACA
 GAACTAACCATAGGCACAGGGCAATGGAGGAAAAAATGAGGGGAACTCACAGAAAAATGCCTGGAGT
 CGATGCGTCAAGGTGAGGAAGCCAAGATTCACCTTCTGGATCCTCTACACCTCTTGCTAAGCTCAGACT
 GGATTCCTTACCAATGGCCGGGACTCCTGGGAGTTGGAGGCTGTGGAGAAGGAGGCTCTGGCCAAAGAA
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 CTCTCCGGCTGCTGCTGACGTTGCCCCACCGGCCACCTGAACGAATATTCTTCATGCCAATCTGGC
 AGCCTGTCAAGTTGCTGCTAGGACACCCCAAGTTGGCAGCCAGAGCTGTGACCGAGTCTGGAGCGGGAG
 CCGGGCCATTTAAAGGCGTTATACGAAGAGGGGTTGCTCAGGCTGCCCTCGGGGACTTGGATAAAGCAA
 CTGCTGATCTCAAGAAAGTTCTAGCAGTAGATCCCAAAACCGTGCCGCGAAAGAGGAGCTGGGAAGGT
 GGTCAATCAGGGAAGATACAGGATGCAGGGCTGGCTCGGGGGCTGCGCAAGATGTTTAGC

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 ACAAGGATGACGACGATAAGGTTTAA


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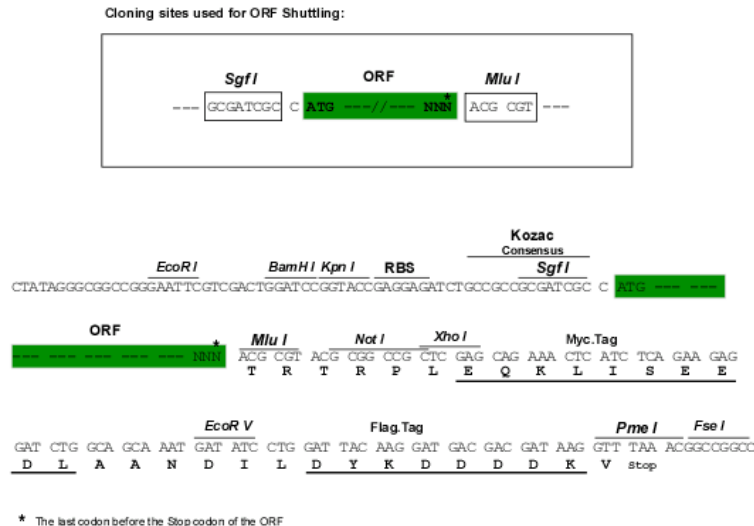
Protein Sequence: >RR201734 representing NM_001002818
 Red=Cloning site Green=Tags(s)

METSLISPMKENNTAQPQQREENTQQNLNAAVPIKQSPGLLPEALEVGVPDPASQILATQEIENPVAG
 FEGDSDKFHISTDEMAEHLQASDLWYCPDGSFVKKIIVHGHGLDKPKLGSKCRVLALGFPGSGMPEGWT
 ELTIGTGQWREKTWELTEKCLESMRQGEAKIHLPGSSTPLAKLRDLSFTNGRDSWELEAVEKEALAKE
 EHRRGTELFRAQNPQGAARCYGRALRLLTLPPPGPPERTILHANLAACQLLLGHPQLAAQSCDRVLERE
 PGHLKALYRRGVAQAALGDLDKATADLKKVLAVDPKNRAAKEELGKVVIQGKIQDAGLARGLRKMFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001002818

ORF Size: 1041 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_001002818.2](#), [NP_001002818.1](#)

RefSeq Size: 1300 bp

RefSeq ORF: 1044 bp

Locus ID: 406168

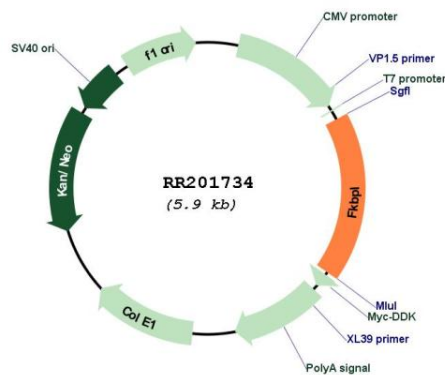
UniProt ID: [Q6MG81](#)

Cytogenetics: 20p12

MW: 38 kDa

Gene Summary: May be involved in response to X-ray. Regulates p21 protein stability by binding to Hsp90 and p21.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201734