

## Product datasheet for **RR206302**

### Fuk (NM\_001107429) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fuk (NM\_001107429) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fuk  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206302 representing NM\_001107429  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCAGCCAAAGGGGTCAATTGGACGGTCATTATCCTGACATGCCAGTACAAGGACAGTGTCCAGG  
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GGTCTACCTCACTGACTCGCAGGGCGTGGTTTTGGACATTTACTACCAGGGCACTAAGGCAGAGATACAA  
CGGTGTGTGAGGCTGATGGACTGGTACACTGGTCTCTGGGGTGTCTTCTCTGTGGAGACTGCTG  
AGCACCTCCTAGCCACCCAGTGAAGCCACCGCTGGACGCTGCACCTATATGGGCTTGGACTCTGGAGC  
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GTGTTAGAGGCCCGCAGGACCTCTGCCTACATCCACTGATCCGGGCTGCTGTCCGGTGAAGTTGCTCTG
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**Protein Sequence:**

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>RR206302 representing NM_001107429
Red=Cloning site Green=Tags(s)
    
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GSPPGVWVWCSTDMLLSVPPNPGISWDGFRGTRVIAFPGSLAYALNHGVYLTDSQGVVLDIYYQGTKAEIQ
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FVAGRPPEMGQDPDVARYLKGARQLWREL RDQPLTMVYVPDGGYSYMTDATEFLHRLTMPGVAVAQI
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ILQGHHIRLHGSQSRVFTLAGRLDSWERQGAGMYLNMSWNEFFKKTGIRDWLDWPDTPLSDRCLLSARL
FPVLHPTRALGPQDVLWMLHPHKDRGEALRAWRASWRLSWEQLQPRLDRAATLDFRRDLFFRQALQKARH
VLEARQDLCLHPLIRAAVGE GCSGPLLATLDKVAAGAEDPGVAARALACVADVLGMAEQGGRLRSGPAA
NPEWIQPF SYLERGDLMRGVEALAQEREKWL TRPALLVRAARHYEGAEQILIRQAVMTARHFVSTQPVEL
PAPGQWVVTECPARVDFSGGWS DTPPIAYELGGAVLGLAVRVDGRRPIGAKARRILEPELWLVGPRQDE
MTVKIVCRSLDDLQDYCQPHAPGALLKAAFI CADIVHVNSEVPLHEQLLRSFNNGGFELHTWSELPHGSGL
GTSSILAGAALAAALQRAAGRTVGTEALIHAVLHLEQVL TTGGGWQDQVSGLMPGIKVGSRSAQLPLKVEV
EEITVPENFVQRKLMAPGCEPLAVHRMMDVLAPYAFGQSLAGAGGGGFLYLLTKEPRQKEVLEAVLAKVE
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
    
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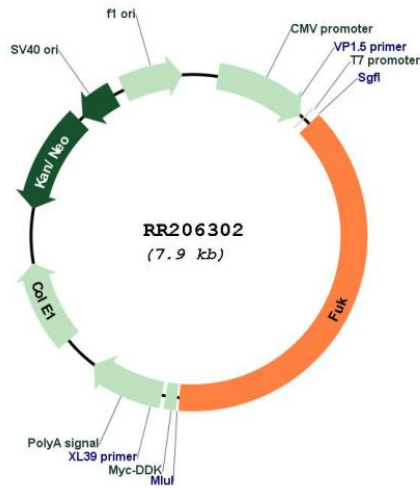
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107429  
 ORF Size: 3057 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001107429.1</a> , <a href="#">NP_001100899.1</a>
<b>RefSeq Size:</b>	3636 bp
<b>RefSeq ORF:</b>	3060 bp
<b>Locus ID:</b>	307848
<b>Cytogenetics:</b>	19q12
<b>MW:</b>	111.2 kDa