

## Product datasheet for **RR201166**

### **Fkbp5 (NM\_001012174) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fkbp5 (NM_001012174) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fkbp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR201166 representing NM\_001012174  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTACTGATGAGGGCACCAGTAACAATGAAGAAAACCCAGCAGCCACCGTGGTTGAGCAGGGAGAAG  
 ATATCACTACGAAAAAGATAGAGGAGTATTAAGATTGTCAAAAGAGTGGGGACTAGTGAGGAGACCCC  
 AATGATTGGTGACAAGGTTTATGTCCTACTACAAAGGCAAGTTGTGCAATGGAAAGAAGTTTGATTCCAGT  
 CGTGACAGAAACGAGCCGTTTGTCTTTAGCCTTGCCAAAGGCCAGGTTATCAAAGCCTGGGATATTGGGG  
 TGTCTACCATGAAGAAAGGCGAGATCTGCCACTTATTATGTAACCAGAATACGCTTACGGCTCTGCTGG  
 CAGCCTCCGAAAATTCCTCGAACGCAACTCTCTTTTTTCGAGATTGAACTCCTTGACTTCAAAGGCGAG  
 GATCTATTTGAAGATTACGGCATTATCCGGAGAATCAAACGAAAAGGAGAAGGCTACTCAAACCCCAATG  
 AAGGAGCCACGGTGAAGTCCACCTGGAAGGCTGCTGTGCTGGAAGGGTGTGACTGCCGGATGTGGT  
 GTTCGTCATTGGCGAAGGAGAAGACCACGACATCCAATTGGGATCGACAAGGCCCTGGAGAAGATGCAG  
 AGGGAAGAGCAGTGCATTTTGTATCTTGACCACAATATGGTTTTGGAGAAGCGGGAAACCTAAATTTG  
 GCATCGAACCCAATGCTGAGCTTATGTATGAAGTCACACTGAAGAGCTTCGAAAAGGCCAAAGAATCCTG  
 GGAGATGGACACCAAGAAAACTGGAGCAGGCTGCCATTGTCAAAGAAAAGGGAACGGTGTACTTCAAG  
 GGAGGCAAGTACATGCAGGCCGTGATTCAGTACGGGAAGATAGTGTCTGGCTGGAGATGGAGTACGGCT  
 TGTGAGAAAAGGAGTCCAAGCTTCGGAGTCTTCTGCTCGCAGCCTTCTCAACCTGGCCATGTGCTA  
 CCTGAAGCTCAGAGAGTACACCAAGCTGTGAGTGTGTGACAAGGCCCTTGGACTGGACAGGCCAAC  
 GAGAAAAGCTTGTACAGGAGGGGCGAAGCCAGCTGCTCATGAACGAGTTCGAGTCGGCCAAAGGGGACT  
 TTGAGAAAGTACTGGAGGTGAACCTCAGAACAAGGCAGCGAGACTGCAGATCTCCGTGTGCCAGAGGAA  
 GCGGAAGGAACACAACGAGCGGGACCGCAGGGTGTACGCCAACATGTTCAAGAAGTTCGAGAGCAGGAT  
 GCCAAGGAAGAGGCCAGCAAAGCATTGAGCAAGAAGGCAGTAGAAGGAGCGGCCGCAAGAAACACGAGA  
 GTCAGACCATGGGAGAAGGGAAGGCCGAAGGCCACGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201166 representing NM\_001012174  
 Red=Cloning site Green=Tags(s)

MTTDEGTSNNEENPAATVVEQGEDITTKKDRGVLIKIVKRVGTSEETPMIGDKVYVHYKGLSNGKKFDSS  
 RDRNEPFVFLGKGQVIKAWDIGVSTMKKGEICHLLCKPEYAYGSAGSLPKIPSNATLFFEIELLDFKGE  
 DLFEDSGIIRRIKRGEGYSNPNEGATVEVHLEGCCAGRVFDCRDVVFVIGEGEDHDIPIGIDKALEKMQ  
 REEQCILYLGPOYGFGEAGKPKFGIEPNAELMYEVTLSFEKAKESWEMDTKEKLEQAAIVKEKGTVYFK  
 GGKYMQAVIQYKIVSWLEMEYGLSEKESKASESFLLAFLNLMCYLKLREYTKAVECCDKALGLDSAN  
 EKGLYRRGEAQLLMNEFESAKGDFEKLVEVNPQNKAARLQISVCQRKAKEHNERDRRVYANMFKKFAEQD  
 AKEEASKALSCKAVEGAAGKKHESQTMGEGKAEGHV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKVV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001012174

**ORF Size:** 1368 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

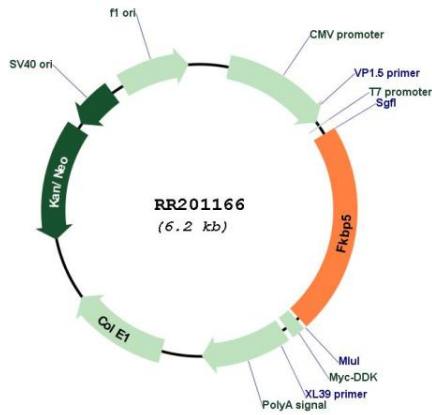
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\_001012174.1, NP\_001012174.1  
 RefSeq Size: 3508 bp  
 RefSeq ORF: 1371 bp  
 Locus ID: 361810  
 Cytogenetics: 20p12  
 MW: 51 kDa

**Product images:**



Circular map for RR201166