

## Product datasheet for **RR212219**

### Fbxo2 (NM\_053511) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Fbxo2 (NM\_053511) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Fbxo2  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR212219 representing NM\_053511  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGGAGATGGTGATCCAGAGAGTGTGAGCCACCCGAAGAGGGCAGCCCGGAGGAGCAGCCTGAGG  
 AGGCGGGCGCCAGGGCGAGTGCGGAGGAGGAGCAGCCAGGGAGGAGGAGGAAGAGACAGAGGCCGT  
 GGAGTACCTTGCCGAGTTGCCTGAGCCACTGCTGCTGCGCGTGTGCCAGAGCTGCCCGCTACGGAGCTA  
 GTGCAAGCCTGCCGCCTGGTGTGCCTGCGCTGGAAGGAGCTGGTGGACGGCGCCCACTGTGGCTGCTCA  
 AGTGTGACGAGGAGGGGCTGGTGCCTGAGGGCAGCGCTGATGACGAGCGGACCCTGGCAACAGTTCTA  
 CTTTCTGAGCAAGAGGAGGCGCAACCTGCTGCGTAACCCGTGTGGGAAGAGGACTTGGAGGGCTGGTGC  
 GACGTGGAGCACGGTGGGACGGCTGGAGAGTGGAGAACTGCCCGGAGACAGTGGGGTGAATTTACCC  
 ACGACGACAGCGTTAAGAAGTACTTCGCCTCCTCCTTCGAGTGGTGTGCGAAAGCGCAGGTATTGATCT  
 GCAGGCTGAGGGCTACTGGGAGGAGCTACTGGACACCACCCAGCCGCCATCGTGGTGAAGGACTGGTAC  
 TCGGGCCGACGGATGCCGGCAGCCTGTATGAGCTCACTGTGAGGCTGCTGTGGAGCATGAAGATGTGC  
 TGGCGGAGTTCAATACGGGACAGGTGGCTGTGCCAGAGGATGGCAGCTGGATGGAGATCTCCACACTTT  
 CACCGACTACGGGCCAGGCGTCCGCTACGTCCGCTTCGAGCACGGAGGGCAGGACTCGGTCTACTGGAAG  
 GGCTGGTTCGGGGCCCGGTTACCAACAGTAGCGTGTGGGTGGAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212219 representing NM\_053511  
Red=Cloning site Green=Tags(s)

MDGDGDPESVSHPEEASPEEQPEEAGARASAEQQPREEEEEETEAVEYLAELPEPLLLRVLAEIPATEL  
 VQACRLVCLRWKELVGAPLWLLKCQQEGLVPEGSADDERDHWQQFYFLSKRRRNLLRNPCEEDLEGWC  
 DVEHGGDWRVEELPGDSGVEFTHDDSVKKYFASSFEWCRKAQVIDLQAEGYWEELDDTTQPAIVKDWY  
 SGRTDAGSLYELTVRLLSEHEDVLAEFNTGQVAVPEDGSWMEISHTFTDYGPVRYVRFEHGGQDSVYWK  
 GWFGARVTNSSVWVEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_053511

**ORF Size:** 888 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\\_053511.1](#), [NP\\_445963.1](#)

**RefSeq Size:** 1296 bp

**RefSeq ORF:** 891 bp

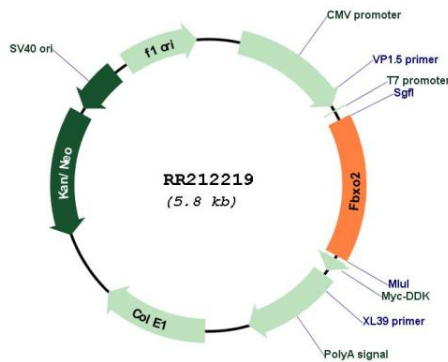
**Locus ID:** 85273

**Cytogenetics:** 5q36

**MW:** 33.7 kDa

**Gene Summary:** may be involved in maintaining neurons in a postmitotic state [RGD, Feb 2006]

**Product images:**



Circular map for RR212219