

## Product datasheet for **RR206970**

### **Pou3f3 (NM\_138837) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou3f3 (NM_138837) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou3f3
Synonyms:	Brn1; RHS1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206970 representing NM\_138837  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACGGCGGCTTCTAACCCCTACCTGCCGGGAACAGCCTGCTCGGGCCGGATCCATTGTGCACT  
 CGGACGCGGCCGGGGCGGGCGGGCGGAGGGGGCGGGCGCGGTGGCGGGCGGGGGCGGGGGCGGCGG  
 CGGCGGCATGCAGCCGGGAAGCGCCGCTGACCTCGGGCGCCTACCGGGGGATCCGTCCTCCGTCAAG  
 ATGGTCCAGAGTGACTTCATGCAGGGGGCCATGGCCGCCAGCAACGGCGGCCATATGCTGAGCCACGCGC  
 ACCAGTGGGTACCGCCCTGCCACGCTGCCGCCGCTGCCGCCGCTGCTGCCGCCGCGCCGTGGAAGC  
 CAGCTCACCGTGGTGGGCAGCGCGGTGGGCATGGCCGGCAGCCCCAGCAGCCACCAGGCCGCCGCC  
 CCGCCGCCGAGGGCCGACGTGAAGGGAGCGTTGGACGCAAGACTTGCACGCCGCACAGCGTTGC  
 ACCACCGCGACCGCCACTTGGGGCCCCGCCACCGCCCCCTACCAGGGACACCCTGGAGGCTGGGG  
 GGCCGACGCCGCGTGCCGCTGCCGCCGCTGCCGCCGCTGCCGCCGCTCACCTCCGTCATGGCGGGC  
 GGCAGCAGCCGCCCGCCAGAGTCTGCTGTACTCGCAGCCCGGAGGCTTACCGTGAACGGCATGCTGA  
 GCGCGCCCCGGGGCCAGGCGGTGGCGCGGGGAGCGGGCGGTGGAGCCAAAGCCTGGTTCACCCGGG  
 GTTAGTGCGGGGACACGCCGAGCTGGCGGAGCATCATCACCACCATCACCACCACGCGCACCCGCAC  
 CCGCCGACCCGCACCACGCGCAGGGACCCCCACATCACGGTGGCGGGGAGCGGGGCCAGGACTCAACA  
 GCCACGACCCGCACTCGGACGAGGACACGCCGAGCTGACGACCTGGAGCAGTTCGTAAGCAGTTCAA  
 GCAGCGCGCATCAAGCTGGGTTTACCAGGGCAGCTGGGGCTGGCTCTGGGCACTCTGTATGGCAAT  
 GTGTTCTCGCAGACCACCATCTGCCGCTTCGAGGCCCTGCAGCTCAGTTTCAAGAATATGTCAAGCTCA  
 AGCCGTTGCTGAACAAGTGGCTGGAGGAGCAGACTCGAGCACCAGCCAGCCCCACCAGCATGTGCAAGAT  
 CGCAGCGCAGGGCCGCAAGCGCAAGAAGCGGACCTCCATCGAGGTTAGCGTCAAAGGCGCGCTGGAGAGC  
 CACTTCTCAAGTGCCTAAACCCTCGGCGCAGGAGATCACCAACTTGGCCGACAGCCTGCAGCTGGAAA  
 AGGAGGTCGTGCGGGTCTGGTTCTGCAACCAGCCAAAAGGAAAAACGCATGACGCCCCCTGGCATCCA  
 GCAGCAGACCGCGGACGATGTCTACTCGCAGGTGGGGACCGTGAGCGCTGACACACCGCCACCGCACCA  
 GGGCTGCAGACCAGCGTGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206970 representing NM\_138837  
 Red=Cloning site Green=Tags(s)

MATAASNPYLPGNLLAAGSIVHSDAAGAGGGGGGGGGGGAGGGGGMPPGSAAVTSGAYRGPSSVK  
 MVQSDFMQGAMAASNGGHML SHAHQWVTALPHAAAAAAAAAAAAVEASSPWSGSAVGMAGSPQQPPRPPP  
 PPPQGPDKGGVGREDLHAGTALHHRGPPHLGPPPPPPHQGHPGGWAAAAAAAAAAAAAAAAAHLPSMAG  
 GQQPPPSLLYSQPGGFTVNGMLSAPPGGGGGGAGGGAQSLVHPGLVRGDTPELAEHHHHHHHHHAHPH  
 PPHPHHAQPPHHGGGAGPGLNSHDPHSDPTPTSDLEQFAKQFKQRRRIKLGFTQADVGLALGTLYGN  
 VFSQTTICRFEALQLSFKNMCKLKPLLNKWLEEADSSTGSPTSIDKIAAQGRKRKRRTSIEVSVKGALES  
 HFLKCPKPSAQEITNLADSLQLEKEVVRVWFCNRRQKEKRMTPPGIQQQTPDDVYSQVGTYSADTPPPHH  
 GLQTSVQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

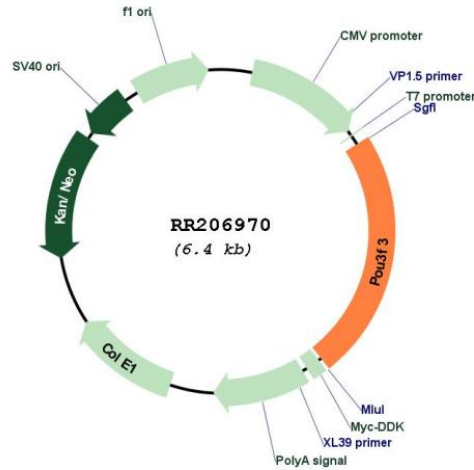
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_138837

**ORF Size:** 1491 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\\_138837.1](#), [NP\\_620192.1](#)

**RefSeq Size:** 3050 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 192109

**UniProt ID:** [Q63262](#)

**Cytogenetics:** 9q22

**MW:** 50.2 kDa

**Gene Summary:** acts as a transcriptional activator in oligodendrocytes; may play a role in regulation of neural development [RGD, Feb 2006]