

## Product datasheet for **MR226821**

### **Pou3f3 (NM\_008900) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou3f3 (NM_008900) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou3f3
Synonyms:	Brn-1; Brn1; HST011; Otf8; Skin1; urehr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR226821 representing NM\_008900  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACGGCGCTTCTAACCCCTACCTGCCGGGAACAGCCTGCTCACGGCCGGCTCCATTGTGCACT  
 CGGACCGCGCCGGGGCGGCGGCGGAGGGGGCGGCGCGCGCGCGCGGGCGGGGGCGGGGGCGGCGG  
 CGGCGGCATGCAGCCGGGAAGCGCCGCTGACCTCGGGCGCCTACCGGGGGACCCGCTCTCGGTCAAG  
 ATGGTCCAGAGCGACTTCATGCAGGGGGCCATGGCCGCCAGAACGGCGGCCATATGCTGAGCCACGCGC  
 ACCAGTGGGTACCGCCCTGCCACGCTGCCGCCGCTGCCGCCGCTGCTGCCGCCGCTGCCGTGGAAGC  
 CAGCTCACCGTGGTGGGCAGTGCAGTGGGCATGGCCGGCAGCCCCAGCAGCCGCCACAGCCGCCCGC  
 CCGCCGCTCAGGGCCCCGACGTGAAGGGAGGCGCTGGACCGAAGACCTGCACGCCGTACCGCGCTGC  
 ATCACCGGACCGCCGACCTCGGGCCCCGCCGCCGCCCTACCAAGGACACCTGGGGGCTGGGG  
 GGCCGACCGCGCCGCGCTGCCGCCGAGCCGCCCGCTGCCGCTCACCTCCGCTCATGGCGGT  
 GGCAGCAGCCGCGCCGAGAGTCTGCTGTACTCGCAGCCGGAGGCTTACGGTGAACGGCATGCTGA  
 GCGCGCCCCGGGGCCGGCGGTGGCGCGGTGGAGCGGGCGGTGGAGCCAGAGCCTGGTTACCCCGG  
 GCTAGTGCGGGGACACGCCGAGTTGGCGGAGCATCATCACCACCATCACCACCACGCGCACCCGCAC  
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 GCCACGACCTCACTCGGACGAGGACACGCCGAGTCTGACGACCTGGAGCAGTTCGTAAGCAGTTCAA  
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 GTGTTCTCGCAGACCACTATCTGCCGCTCGAGGCCCTGCAGCTCAGTTCAAGAATCATGTCAAGCTCA  
 AGCCGCTACTGAACAAGTGGCTGGAGGAGGCTGACTCGAGCACTGCAGTCCCACCAGATTGACAAGAT  
 CGCAGCGCAGGGCCGCAAGCGCAAGAAGCGGACCTCCATCGAGGTTAGCGTCAAAGGCGCGCTGGAGAGC  
 CACTTCTCAAGTGCCTAAACCCTCGGCGCAGAAATCACAACCTGGCCGACAGCCTACAGCTGGAAA  
 AGGAGGTCGTGCGGTCTGGTTCTGCAACCAGCCAAAAGGAAAAACGCATGACGCCCCCTGGCATCCA  
 GCAGCAGACCGGACGATGTCTACTCGCAGGTGGGTACCGTGAGCGCTGACACACCGCCACCGCACCA  
 GGGCTTCAGACCAGCGTGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226821 representing NM\_008900  
 Red=Cloning site Green=Tags(s)

MATAASNYPYLPGNLLTAGSIVHSDAAGAGGGGGGGGGAGGGGGMPPGSAAVTSGAYRGPDPSSVK  
 MVQSDFMQGAMAASNGGHMLSHAHQWVTALPHAAAAAAAAAAAAVEASSPWSGSVGMAGSPQPPQPPP  
 PPPQGPVDVKGAGREDLHAGTALHHRGPPHLGPPPPPHQHPGGWGAIAAAAAAAAAAAAAHLP  
 SMAG  
 GQPPPPQSLLYSQPGFTVNGMLSAPPGPGGGGGAGGGAQSLVHPGLVRGDTPELAEHHHHHHHHAHPH  
 PPHPHHAQPPHHGGGAGPGLNSHDPHSDPTSDLEQFAKQFKRRIKLGFTQADVGLALGTYGN  
 VFSQTTICRFEALQLSFKNMCKLKPLLNKWLEEADSSSTGSPTSIDKIAAQGRKRKRRTSIEVSVKGALES  
 HFLKCPKPSAQEITNLADSLQLEKEVVRVWFCNRRQKEKRMTPPGIQQTPDDVYSQVGTVSADTPPHH  
 GLQTSVQ

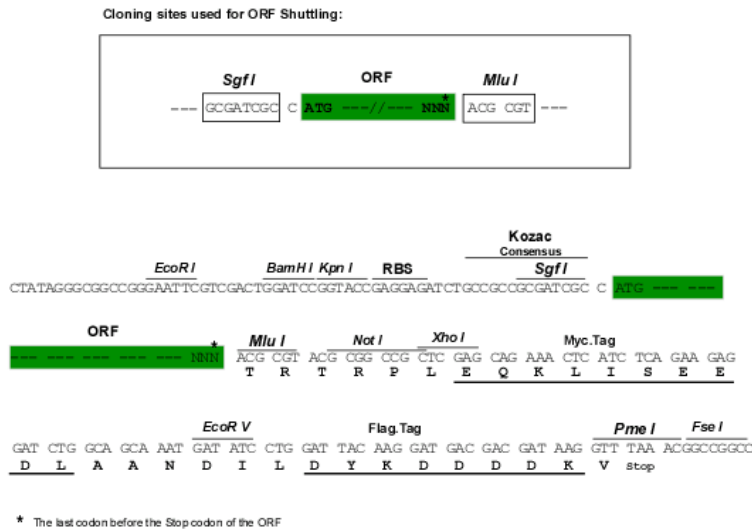
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1150\\_h10.zip](https://cdn.origene.com/chromatograms/ja1150_h10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_008900

**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\\_008900.3](#)

**RefSeq Size:** 3080 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 18993

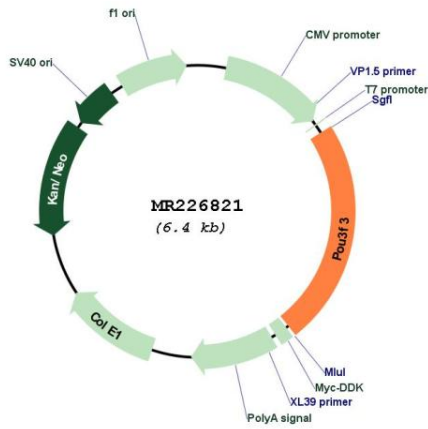
**UniProt ID:** [P31361](#)

**Cytogenetics:** 1 21.21 cM

**MW:** 50.2 kDa

**Gene Summary:** Transcription factor that acts synergistically with SOX11 and SOX4 (By similarity). Plays a role in neuronal development. Is implicated in an enhancer activity at the embryonic met-mesencephalic junction; the enhancer element contains the octamer motif (5'-ATTTGCAT-3'). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226821