

## Product datasheet for **MC209206**

### **Pou4f3 (NM\_138945) Mouse Untagged Clone**

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Pou4f3 (NM_138945) Mouse Untagged Clone                                       |
| Tag:                      | Tag Free  |
| Symbol:                   | Pou4f3  |
| Synonyms:                 | Brn3.1; Brn3c; ddl; dreidel   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >MC209206 representing NM_138945<br><b>Red</b> =Cloning site <b>Blue</b> =ORF |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCCATGAACGCCAAGCAGCCTTTCGGCATGCACCCCGTACTGCAAGAACCCAAATTCTCCAGCC  
TACACTCCGGCTCTGAGGCCATGCGCCGAGTTTGTCTCCAGCCCGCAGCTGCAGGGTAATATATTTGG  
AAGCTTTGATGAGAGCCTGCTGGCAGCGCCGAAGCTCTGGCGGGTGGATATCGTCTCCACGGCAAG  
AACCATCCGTTCAAGCCGACGCCACCTACCATACCATGAGCAGCGTCCCTGCCTTCTACCTCGCCCA  
CGGTGCCATCTCTACCCGGTGCCTCAGCCCGCATCAGCGGTACATCAGGGCCTCGAGGG  
CGACTTACTTGAGCAGATCTCGCCACGCTGAGCGTGAGTGGCCTAGGGGCCCGGAGCACTCGGTGATG  
CCGGCGCAGATCCACCCGCATCTAGGGCCATGGGCCACTTGCATCAGGCCATGGGCATGAGTCACC  
CGCATGCCGTAGCACCGCACAGTGCCATGCCCGCGTGTCTCAGCGATGTGGAGTCAGACCCTCGAGAGCT  
GGAAGCGTTCCGCCGAGCGCTTCAAGCAGAGGGCGCATCAAGTTGGGGGTCACCCAGGCGGAGCTGGGCGCG  
GCTTTAGCCAATCTTAAGATCCCGGTGTGGGCTCGCTCAGCCAGAGCACCATCTGCAGGTTGAGTCTC  
TACTCTGTGCACAACAACATGATCGCTCTCAAGCCGGTCTCCAGGCCTGGCTGGAGGAGGCCGAGGC  
CGCCTACCGAGAGAAGAAGCAGCAAGCCAGAGCTTTCAACGGCAGTGAGCGTAAGCGCAAACGCACGTCC  
ATCGCCGCGCCAGAGAAGCGCTCACTCGAAGCCTATTTCCGATCCAGCCACGCTTTCATCCGAGAAGA  
TCGCGGCATCGCGGAGAACTGGACCTTAAAAAGAATGTGGTGAGGGTCTGGTTCTGTAACCCAGAGACA  
GAAACAGAAACGAATGAAATACTCTGCTGTCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1695\\_h09.zip](https://cdn.origene.com/chromatograms/ja1695_h09.zip)



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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_138945   |
| <b>Insert Size:</b>           | 1017 bp   |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <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="#">BC145941</a> , <a href="#">AAI45942</a>   |
| <b>RefSeq Size:</b>           | 1146 bp   |
| <b>RefSeq ORF:</b>            | 1017 bp   |
| <b>Locus ID:</b>              | 18998   |
| <b>UniProt ID:</b>            | <a href="#">Q63955</a>  |
| <b>Cytogenetics:</b>          | 18 22.58 cM   |
| <b>Gene Summary:</b>          | Acts as a transcriptional activator (PubMed:8290353, PubMed:7935408). Acts by binding to sequences related to the consensus octamer motif 5'-ATGCAAAT-3' in the regulatory regions of its target genes (PubMed:7935408). Involved in the auditory system development, required for terminal differentiation of hair cells in the inner ear (PubMed:8637595).[UniProtKB/Swiss-Prot Function]   |