

## Product datasheet for **MC221427**

### **Pou2f1 (NM\_198932) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou2f1 (NM_198932) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pou2f1
Synonyms:	2810482H01Rik; NF-A1; Oct-1; Oct1; Otf-1; Otf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221427 representing NM\_198932  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACGGAGGAGCAGCGAGTCAAGATGAGAGTTCAGCCCGCGCGGAGCAGCAGCAGACTCAAGAA  
 TGAATAATCCATCAGAAACCAATAAATCATCTATGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAA  
 TGGTCTGGACTTTCAGAAACAGCCCGTGCCCGTTGGAGGAGCGATCTCCACAGCCAGGCCAGGCCCTTC  
 CTCGGACATCTTCACCAGGTCCAGCTAGCTGGGACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTAC  
 AGTCTAAATCCAGTGAAGAGTCGGGAGATTGCGAGCAGTCGAGCCAGCCTTCTCCAGCCGCTTCAGT  
 GCAGTCAGCCATTCAGCAGCCAGCTAATGCTGGCTGGGGACAGATAACTGGGCTCACGTTGACCCCA  
 GCCCAGCAACAGTACTGCTACAGCAGGCGCAGGCCAGGCCAGCTCCTGGCCGCTGCAGTGCAGCAAC  
 ACTCCGCCAGCCAACAGCACAGTGTCTGGGGCCACCATCTCAGCCTCCGCCCCACCCCATGACGCA  
 GATCCCCCTGTCTCAGCCATACAGATTGCACAGGATCTCAACAATTGCAACAGCTTCAGCAGCAAAAT  
 CTAACCTTGCAACAGTTTGTGTTGGTGCACCCAACCACCAACCTGCAACCAGCACAGTTTATCATCTCAC  
 AGACCCCCAGGGCCAGCAGGGTCTCCTGCAAGCGCAAAATCTTTTAAACGCAACTACCTCAGCAAAGCCA  
 AGCCAACCTCCTACAGCCACAGCCAAGCATCACCTCAGTCCCAGCCTACCACCCCAACTCGCACAAATA  
 GCAGCAGCCTCAGTTCAGACACTTCCACAGAGCCAGTCAACACCAAGCGAATTGACACTCCCAGCTTGG  
 AGGAGCCCAGTGACCTTGAGGAGCTTGAGCAGTTTGCCAAAGACTTTCAAACAAAGACGAATCAAACCTGG  
 ATTCACCTCAGGGTGATGTTGGGCTCGCTATGGGAAATATATGGAATGACTTCAGCCAAACCACCATC  
 TCTCGCTTTGAAGCCTTGAACCTCAGCTTAAAGAACATGTGCAAGTTAAGCCCTTTTAGAGAAGTGCC  
 TAAATGATGCAGAGAACCTCTCATCTGATTCTACAGCATCTAGCCCAAGTGCTTTGAATTCAGGATT  
 GGGGGCTGAGGGCTTGAATCGTAGGAGGAAAAACGCACCAGCATAGAGACCAACATCCGTGTGGCCTTA  
 GAGAAGAGTTTTCATGGAGAATCAAAGCCTACCTCGGAAGACATCACCTTGATTGCTGAACAGCTCAATA  
 TGGAAAAGGAGGTGATTCGTGTTTGGTTTTGTAACCGCCGCCAGAAAGGAGAAAAGAATCAACCCGCCAG  
 CAGTGGTGGGACCAGCAGCTCACCTATCAAAGCAATTTCCAGCCAGCCTCATTGGTGGCAACCACT  
 CCAAGCCTTGAGACAAGCAGTACGGCAACTACCCTCACAGTCAACCCTGTCTCCCTTAAACAGTGCTG  
 CTGTGACTAATCTCTCTTACAGGCACACAGACTCGACGTCCAACAACAACACGGCCACGGTGATTTCC  
 CACAGCACCCCTGCTTCTCAGCAGTCACATCCCCTTCTTGAGTCCCTCTCCCTCGCCTCGGCTCC  
 ACCTCAGAGGCCCTCAGTGCCAGTGAGACCAACACGACACAGACCACCTCCACGCCTCTTCCCTCCCTC  
 TCGGAGCCAGCCAGGTGATGGTGACCACGCCCGGCTTACAGACAGCAGCCGCCGCTTCCAAGGAGCGGC  
 ACAGTTGCCAGCAACGCCAGTCTTGCTGCTATGGCTGCTGCTGCGGGACTCAGCCCAGGCCCTATGGCA  
 CCCTCACAGTTTGTGCTGGAGGTGCCTTACTCAGTCTCAGTCCGGGGACTCTGGGCAGTGTCTCAGCC  
 CAGCCCTAATGAGCAACAGTACACTGGCAACGATTCAAGCTCTTGCTTCTAGTGGCTCTTCCAAATAAC  
 GTCTCTGGATGCAACTGGGAACCTGGTATTTGCCAATGCAGGAGGAGCCCGAACATCGTGACTGCACCT  
 CTGTTCTGAACCTCAGAACCTCTCTGCTCACCAGCAACCCAGTAAGCTTGGTTTCTGCCGCTGCAG  
 CCTCCACAGGGAACCTCTGCACCTACAGCCAGCCTTCATGCCTCCTCCACCTCAACTGAGTCCATCCAG  
 CTCTCTGTTACAGTCCCTCTGCCAGTGGGCTGCTTCCACCACCACAGCTGCCTCCAAGGCACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_198932  
**Insert Size:** 2310 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="#">NM_198932.3</a> , <a href="#">NP_945150.2</a>
<b>RefSeq Size:</b>	12906 bp
<b>RefSeq ORF:</b>	2310 bp
<b>Locus ID:</b>	18986
<b>Cytogenetics:</b>	1 73.21 cM
<b>Gene Summary:</b>	<p>Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform Z, which is shorter than isoform A. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>