

Product datasheet for **MC221373**

Pou2f1 (NM_198933) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou2f1 (NM_198933) 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: >MC221373 representing NM_198933
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACTGCAGTACTGTGTTCTAGACTCAAGAATGAATAATCCATCAGAAACCAATAAATCATCTA
 TGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAATGGTCTGGACTTTCAGAAACAGCCCGTGCCCGT
 TGGAGGAGCGATCTCCACAGCCCAGGCCAGGCCCTTCTCGGACATCTTACCAGGTCCAGCTAGCTGGG
 ACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTACAGTCTAAATCCAGTGAAGAGTCGGGAGATTTCG
 AGCAGTCGAGCCAGCCTTCTTCCAGCCGCCTTCACTGTCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGT
 GGCTGGGGGACAGATAACTGGGCTCACGTTGACCCAGCCAGCAACAGTTACTGCTACAGCAGGCGCAG
 GCCCAGGCCAGTCTTGGCCGCTGCAGTGCAGCAACTCCGCCAGCCAAACAGCACAGTCTGCTGGGG
 CCACCATCTCAGCTCCGCCGCCACCCATGACGCAGATCCCCCTGTCTCAGCCATACAGATTGCACA
 GGATCTTCAACAATTGCAACAGCTTCCAGCAGAAAATCTCAACTTGAACAGTTTGTGTTGGTGCACCCA
 ACCACCAACTGCAACACAGCAGTATATCATCTCACAGACCCCCAGGGCCAGCAGGGTCTCTGCAAG
 CGCAAAATCTTTTAAACGCAACTACCTCAGCAAAGCCAAGCCAACCTCTACAGCCACAGCCAAGCATCAC
 CCTCACGTCCCAGCCTACCACCCCAACTCGCACAATAGCAGCAGCCTCAGTTCAGACACTTCCACAGAGC
 CAGTCAACACCAAAGCGAATTGACACTCCAGCTTGGAGGAGCCAGTGCCTTGAGGAGCTTGAGCAGT
 TTGCCAAGACTTTCAAACAAAGACGAATCAAATTTGGATTCACTCAGGGTGTGTTGGGCTCGCTATGGG
 GAAATATATGGAATGACTTACGCCAAACCACCATCTCTCGCTTTGAAGCCTTGAACCTCAGCTTTAAG
 AACATGTGCAAGTTAAAGCCCCCTTTAGAGAAGTGGCTAAATGATGCAGAGAACCTCTCATCTGATTCTA
 CAGCATAGCCCAAGTCTTTGAATTTCCAGGATTGGGGCTGAGGGCTTGAATCGTAGGAGGAAAAA
 ACGCACACAGCATAGAGACCAACATCCGTGTGGCCTTAGAGAAGAGTTTCATGGAGAATCAAAGCCTACC
 TCGGAAGACATCACCTTGATTGCTGAACAGCTCAATATGGAAGAGGAGGTGATTCTGTTGGTTTTGTA
 ACCGCCGCCAGAAGGAGAAAAGAATCAACCCGCCAGCAGTGGTGGGACCAGCAGCTCACATCAAAGC
 AATTTTCCCAGCCAGCCTCATTGGTGGCAACCACTCCAAGCCTTGTGACAAGCAGTACGGCAACTACC
 CTCACAGTCAACCCTGTCTCCCTTTAACCAGTGTGCTGTGACTAATCTCTCTTACAGGCACTACAG
 ACTCGAGTCCAACAACAACACGGCCACGGTATTCCACAGCACCCCTGCTTCTCAGCAGTCAATC
 CCCTTCTTGTGCTCCCTCTCCCTCTGCCTCGGCCCTCCACCTCAGAGGCCCTCAGTCCAGTGCAGCAAC
 ACGACACAGACCCTCCAGCCTTCTCCCTCCCTCTCGGAGCCAGCCAGGTGATGGTGACCACGCCCG
 GCTTACAGACAGCAGCCGCCGCTCTCAAGGAGCGGCACAGTTGCCAGCAAACGCCAGTCTTGTGCTAT
 GGCTGCTGCTGCGGGACTCAGCCAGGCCCTCATGGCACCCCTCACAGTTTGTGCTGGAGGTGCCTTACTC
 AGTCTCAGTCCGGGACTCTGGGCACTGCTCTCAGCCAGCCCTAATGAGCAACAGTACTGGCAACGA
 TTCAAGCTCTTGCTTCTAGTGGCTCTTCCAATAACGCTCTGGATGCAACTGGGAACCTGGTATTTGTC
 CAATGCAGGAGGAGCCCCGAACATCGTGACTGCACCTCTGTTCTGAACCCTCAGAACCTCTCTGCTC
 ACCAGCAACCCAGTAAGCTTGGTTTCTGCCGCTGCAGCCTCCACAGGGAACCTCTGCACCTACAGCCAGCC
 TTCATGCCTCTCCACCTCAACTGAGTCCATCCAGAGCTCTCTGTTCCAGTCCGCTCTGCCAGTGGGCC
 TGCTTCCACCACCACAGCTGCCTCCAAGGCACAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198933
Insert Size: 2277 bp

OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_198933.3 , NP_945151.2
RefSeq Size:	12978 bp
RefSeq ORF:	2277 bp
Locus ID:	18986
UniProt ID:	P25425
Cytogenetics:	1 73.21 cM
Gene Summary:	<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 (3) uses an alternate 5' terminal exon and lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform L, which is shorter and has a distinct N-terminus, compared to 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>