

## Product datasheet for **MR223773**

### **Pou2f1 (NM\_198934) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou2f1 (NM_198934) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR223773 representing NM\_198934  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGACTGCAGTACTGTGTTCTAGACTCAAGAATGAATAATCCATCAGAAACCAATAAATCATCTA  
 TGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAATGGTCTGGACTTTCAGAAACAGCCCGTGCCCGT  
 TGGAGGAGCGATCTCCACAGCCCAGGCCAGGCCCTTCTCGGACATCTTACCAGGTCCAGCTAGCTGGG  
 ACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTACAGTCTAAATCCAGTGAAGAGTCGGGAGATTTCG  
 AGCAGTCGAGCCAGCCTTCTTCCAGCCGCCTTCACTGTCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGT  
 GGCTGGGGGACAGATAACTGGGCTCACGTTGACCCAGCCAGCAACAGTTACTGCTACAGCAGGCGCAG  
 GCCAGGCCAGTCTCTGGCCGCTGCAGTGCAGCAACTCCGCCAGCCAAACAGCACAGTCTGCTGGGG  
 CCACCATCTCAGCTCCGCCGCCACCCATGACGCAGATCCCCCTGTCTCAGCCATACAGATTGCACA  
 GGATCTTCAACAATTGCAACAGCTTTCAGCAGCAAAATCTCAACTTGAACAGTTTGTGTTGGTGCACCCA  
 ACCACCAACTGCAACAGCACAGTATATCATCTCACAGACCCCCAGGGCCAGCAGGGTCTCTGCAAG  
 CGCAAAATCTTTTAAACGCAACTACCTCAGCAAAGCCAAGCCAACCTCTACAGCCACAGCCAAGCATCAC  
 CCTCACGTCCCAGCCTACCACCCCAACTCGCACAAATAGCAGCAGCCTCAGTTCAGACACTTCCACAGAGC  
 CAGTCAACACCAAGCGAATTGACACTCCCAGCTTGGAGGAGCCAGTGACCTTGAGGAGCTTGAGCAGT  
 TTGCCAAGACTTTCAAACAAAGCAATCAAACTTGGATTCACTCAGGGTGTGTTGGGCTCGCTATGGG  
 GAAATTATATGGAATGACTTACGCCAAACCACCATCTCTCGCTTTGAAGCCTTGAACCTCAGCTTAAAG  
 AACATGTGCAAGTTAAAGCCCCCTTTAGAGAAGTGGCTAAATGATGCAGAGAACCTCTCATCTGATTCTA  
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 CTCACAGTCAACCCTGTCTCCCTTAAACCAGTCTGCTGTGACTAATCTCTCTTACAGATCAAGATC  
 TTAGAAGAGGATGCAGCTGGGAAGTCTTAGGAGTCTACCAGACAGAGTACCACCACAGCAGGCACTAC  
 AGACTCGACGTCCAACAACAACACGGCCACGGTATTTCCACAGCACCCCTGCTTCTCAGCAGTCACA  
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 ACACGACACAGACCACCTCCACGCCTTCCCTCCCTCTCGGAGCCAGCCAGGTGATGGTGACCACGCC  
 CGGCTTACAGACAGCAGCCGCCGCTCTCAAGGAGCGGCACAGTTGCCAGCAAACGCCAGTCTTGCTGCT  
 ATGGCTGCTGCTGCGGGACTCAGCCAGGCCTCATGGCACCTCAGATTTGCTGCTGGAGTGCCTTAC  
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 GATTCAAGCTCTTGCTTCTAGTGGCTCTTCCAATAACGTCTCTGGATGCAACTGGGAACCTGGTATTT  
 GCCAATGCAGGAGGAGCCCCGAACATCGTACTGCACCTCTGTTCTGAAACCCTCAGAACCTCTCTGCTG  
 TCACCAGCAACCCAGTAAAGCTTGGTTTCTGCCGCTGCAGCCTCCACAGGGAACCTGCACCTACAGCCAG  
 CCTTCATGCCTCTCCACCTCAACTGAGTCCATCCAGAGCTCTCTGTTACAGTCGCCTCTGCCAGTGGG  
 CTGCTTCCACCACACAGCTGCCTCAAGGCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223773 representing NM\_198934  
 Red=Cloning site Green=Tags(s)

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MLDCSDCVLDSRMNPNSETNKSSMESEDASTGTQTNGLDFQKQPVPVGGAI STAQAQAF LGHLHQVQLAG
TSLQAAAQSLNVQSKSSEESGDSQQSSQPSSQPPSVQSAIPQTQLMAGGQITGL TTPAQQLLLQQAQ
AQAQLLAAAVQQHSASQHSAAAGATISASAATPMTQIPLSQPIQIAQDLQQLQQLQQNLNLQQFVLVHP
TTNLQPAQFIISQTPQGQGLLQAQNL LTQLPQQSQANLLQPQPSITLTSQPTTPTRTIAAASVQTL PQS
QSTPKRIDTPSLEEPSDLEEELEQFAKTFKQRRRIKLGFTQGDVGLAMGKLYGNDFSQTTISRFEALNLSFK
NMCKLKPILLEKWLNDAENLSSDSTASSPSALNSPGLGAEGLNRRRKRRTSIETNIRVALEKSFMENQKPT
SEDITLIAEQLNMEKEVIRVWFCNRRQKEKRINPPSSGGTSSSPIKAIFFSPASLVATTPSLVTSSTATT
LTVNPLPLTSAAVTNLSLTDQDLRRGCSWEVLRSLPDRVTTTAGTTDSTSNNTATVISTAPPASSAVT
SPSLSPSPSASASTSEASSASETNTTQTSTPLPSPLGASQVMVTPGLQTAALQGAQLPANASLAA
MAAAGLSPGLMAPSQFAAGGALLSLSPGTLGSALSPALMSNSTLATIQALASSGSLPITSLDATGNLVF
ANAGGAPNIVTAPLFLNPQNL SLLTSNPVSLVAAAASTGNSAPTASLHASSTSTESIQSSLFTVASASG
PASTTTAASKAQ
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**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\\_198934.3](#), [NP\\_945152.2](#)

**RefSeq Size:** 2684 bp

**RefSeq ORF:** 2349 bp

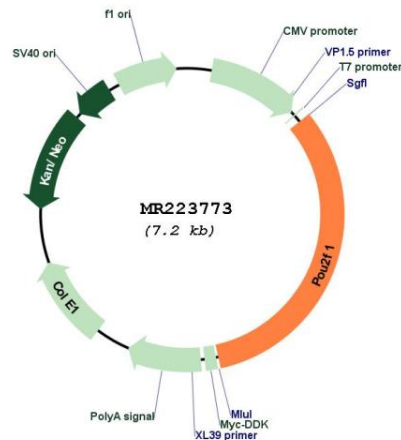
**Locus ID:** 18986

**Cytogenetics:** 1 73.21 cM

**MW:** 81.3 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR223773