

## Product datasheet for **MR223763**

### **Pou2f1 (NM\_011137) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou2f1 (NM_011137) 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:**

>MR223763 representing NM\_011137  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACGGAGGAGCAGCGAGTCAAGATGAGAGTTCAGCCCGCGCCGAGCAGCAGCAGACTCAAGAA  
 TGAATAATCCATCAGAAACCAATAAATCATCTATGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAA  
 TGGTCTGGACTTTCAGAAACAGCCCGTGCCCGTTGGAGGAGCGATCTCCACAGCCAGGCCAGGCCCTTC  
 CTCGGACATCTTCACCAGGTCCAGCTAGCTGGGACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTAC  
 AGTCTAAATCCAGTGAAGAGTCGGGAGATTGCGAGCAGTCGAGCCAGCCTTCTCCAGCCGCTTCAGT  
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 GCCCAGCAACAGTACTGCTACAGCAGGCGCAGGCCAGGCCAGCTCCTGGCCGCTGCAGTGCAGCAAC  
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 TGGAAAAGGAGGTGATTCGTGTTTGGTTTTGTAACCGCCGCCAGAAGGAGAAAAGAATCAACCCGCCAG  
 CAGTGGTGGGACCAGCAGCTCACCTATCAAAGCAATTTTCCCAGCCAGCCTCATTGGTGGCAACCACT  
 CCAAGCCTTGACAAGCAGTACGGCAACTACCCTCACAGTCAACCCTGTCTCCCTTTAACCAAGTGTG  
 CTGTGACTAATCTCTCTTACAGATCAAGATCTTAGAAGAGGATGCAGCTGGGAAGTCTTAGGAGTCT  
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 TCCACAGCACCCCTGCTTCCCTCAGCAGTACATCCCCTTCTTGAGTCCCTCTCCCTCTGCTCGCCCT  
 CCACCTCAGAGGCTCCAGTGCCAGTGAGACCAACACGACACAGACCACCTCCACGCCTCTCCCTCCCC  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223763 representing NM\_011137  
 Red=Cloning site Green=Tags(s)

```
MADGGAASQDESSAAAAAADSRMNNPSETNKSSMESEDASTGTQTNGLDFQKQPVVGGAIISTAQAQAF
LGHLHQVQLAGTSLQAAAQSLNVQSKSSEESGDSQSSQPSSQPPSVQSAIPQTQLMLAGGQITGLTLTP
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SRFEALNLSFKNMCKLKPILLEKWLNDAENLSSDSTASSPSALNSPGLGAEGLNRRRKRRTSIETNIRVAL
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AQLPANASLAAMAAAAGLSPGLMAPSQFAAGGALLSLSPGTLGSALSPALMSNSTLATIQALASSGSLPI
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SSLFTVASASGPASTTTAASKAQ
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3099\\_a03.zip](https://cdn.origene.com/chromatograms/ja3099_a03.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_011137

**ORF Size:** 2382 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_011137.3](#), [NP\\_035267.2](#)

**RefSeq Size:** 12978 bp

**RefSeq ORF:** 2382 bp

**Locus ID:** 18986

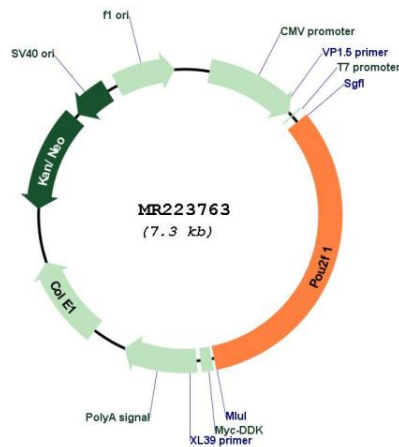
**UniProt ID:** [P25425](#)

**Cytogenetics:** 1 73.21 cM

**MW:** 81.6 kDa

**Gene Summary:** Transcription factor that binds to the octamer motif (5'-ATTGCAT-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 MR223763