

## Product datasheet for **MG223763**

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

#### **Product data:**

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | Expression Plasmids                            |
| Product Name:             | Pou2f1 (NM_011137) Mouse Tagged ORF Clone      |
| Tag:                      | TurboGFP                                       |
| Symbol:                   | Pou2f1                                         |
| Synonyms:                 | 2810482H01Rik; NF-A1; Oct-1; Oct1; Otf-1; Otf1 |
| Mammalian Cell Selection: | Neomycin                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                         |



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**ORF Nucleotide  
Sequence:**

>MG223763 representing NM\_011137  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACGGAGGAGCAGCGAGTCAAGATGAGAGTTCAGCCGCGCGGCAGCAGCAGCAGACTCAAGAA  
 TGAATAATCCATCAGAAACCAATAAATCATCTATGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAA  
 TGGTCTGGACTTTCAGAAACAGCCCGTCCCGTTGGAGGAGCGATCTCCACAGCCAGGCCAGGCCTTC  
 CTCGGACATCTTCACAGGTCCAGCTAGCTGGGACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTAC  
 AGTCTAAATCCAGTGAAGAGTCGGGAGATTTCGACAGCAGTCGAGCCAGCCTTCTCCAGCCGCTTCAGT  
 GCAGTCAGCCATTCCCAGACCCAGCTAATGCTGGCTGGGGACAGATAACTGGGCTCACGTTGACCCCA  
 GCCCAGCAACAGTTACTGCTACAGCAGGCGCAGGCCAGGCCAGCTCCTGGCCGCTGCAGTGCAGCAAC  
 ACTCCGCCAGCCAACAGCACAGTGTCTGTTGGGCCACCATCTCAGCCTCCGCCGCCACCCCATGACGCA  
 GATCCCCCTGTCTCAGCCCATACAGATTGCACAGGATCTTCAACAATTGCAACAGCTTCAGCAGCAAAAT  
 CTCAACTTGCAACAGTTTGTGTTGGTGCACCAACCAACCTGCAACCAGCAGTATTCATCTCAC  
 AGACCCCCCAGGGCCAGCAGGGTCTCCTGCAAGCGCAAAATCTTTTAACGCAACTACCTCAGCAAAGCCA  
 AGCCAACCTCCTACAGCCACAGCCAAGCATCACCTCACGTCCCAGCCTACCAACCCAACTCGCACAATA  
 GCAGCAGCCTCAGTTCAGACACTTCCACAGAGCCAGTCAACACCAAAGCGAATTGACACTCCCAGCTTGG  
 AGGAGCCCACTGACCTTGAGGAGCTTGAGCAGTTTGCCAAAGACTTTCAAACAAAGACGAATCAAACCTGG  
 ATTCACCTCAGGGTGATGTTGGGCTCGCTATGGGAAATATATGGAAATGACTTCAGCCAAACACCATC  
 TCTCGCTTTGAAGCCTTGAACCTCAGCTTTAAGAACATGTGCAAGTTAAGCCCCCTTTAGAGAAGTGGC  
 TAAATGATGCAGAGAACCTCTCATCTGATTCTACAGCATCTAGCCCAAGTGCTTTGAATTCCTCAGGATT  
 GGGGGCTGAGGGCTTGAATCGTAGGAGGAAAAACGCACCAAGCATAGAGACCAACATCCGTGTGGCCTTA  
 GAGAAGAGTTTCATGGAGAATCAAAAGCCTACCTCGGAAGACATCACCTTGATTGCTGAACAGCTCAATA  
 TGGAAAAGGAGGTGATTGCTGTTTGGTTTGTAAACCGCCGCCAGAAAGGAGAAAAGAATCAACCCGCCAG  
 CAGTGGTGGGACCAGCAGCTCACCTATCAAAGCAATTTCCCGAGCCAGCCTCATTGGTGGCAACCACT  
 CCAAGCCTTGACAAAGCAGTACGGCAACTACCTCACAGTCAACCTGTCTCCTTTAACCAAGTGTG  
 CTGTGACTAATCTCTCTTACAGATCAAGATCTTAGAAGAGGATGCAGCTGGGAAGTGCTTAGGAGTCT  
 ACCAGACAGAGTCACCACACAGCAGGCACTACAGACTCGACGTCCAACAACAACACGGCCACGGTGATT  
 TCCACAGCACCCCTGCTTCCTCAGCAGTCACATCCCCTTCCTTGAGTCCCTCTCCCTCTGCCTCGGCCT  
 CCACCTCAGAGGCCTCCAGTGCCAGTGAGACCAACACGACACAGACCACCTCCACGCCTCTCCCTCCCC  
 TCTCGGAGCCAGCCAGGTGATGGTGACCACGCCCGGCTTACAGACAGCAGCCGCCGCTCTCCAAGGAGCG  
 GCACAGTTGCCAGCAAACGCCAGTCTTGCTGCTATGGCTGCTGCTGCGGGACTCAGCCCAGGCCTCATGG  
 CACCCTCAGAGTTTGCTGCTGGAGGTGCCTTACTCAGTCTCAGTCCGGGGACTCTGGGCAGTGCTCTCAG  
 CCCAGCCCTAATGAGCAACAGTACACTGGCAACGATTCAAGCTCTTGCTTCTAGTGGCTCTCTTCCAATA  
 ACGTCTCTGGATGCAACTGGGAACCTGGTATTTGCCAATGCAGGAGGAGCCCCGAACATCGTGACTGCAC  
 CTCTGTTCTGTAACCTCAGAACCTCTCTGCTCACCAGCAACCCAGTAAGCTTGGTTTCTGCCGCTGC  
 AGCCTCCACAGGGAACCTCTGCACCTACAGCCAGCCTTCATGCCTCCTCCACCTCAACTGAGTCCATCCAG  
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**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

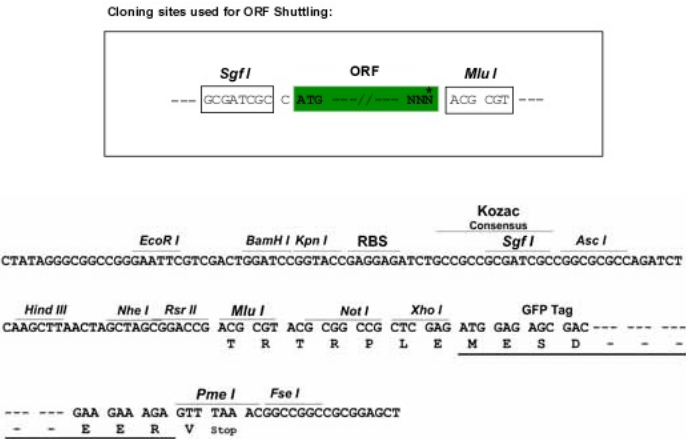
Protein Sequence: >MG223763 representing NM\_011137  
 Red=Cloning site Green=Tags(s)

MADGGAASQDESSAAAAAADSRMNPSETNKSSMESEDASTGTQTNGLDFQKQPVVGGAISTAQAQAF  
 LGHLHQVQLAGTSLQAAAQSLNVQSKSSEESGDSQQSSQPPSVQSAIPQTQLMLAGGQITGLTLTP  
 AQQQLLLQQAQAQAQLLAAAVQQHSASQQHSAAGATISASAATPMTQIPLSQPIQIAQDLQQLQQLQQQN  
 LNLQQFVLVHPTTNLQPAQFIISQTPQGQGLLQAQNLTLQLPQQSQANLLQPQPSITLTSQPTTPTRTI  
 AAASVQTL PQSQSTPKRIDTPSLEEPSDLEELQFAKTFKQRRIKLGFTQGDVGLAMGKLYGNDFSQTTI  
 SRFEALNLSFKNMCKLKPLLEKWLNDNAENLSSDSTASSPSALNSPGLGAEGLNRRRKRTSIETNIRVAL  
 EKSFMENQKPTSEDITLIAEQLNMEKEVIRVWFCNRRQKEKRINPSSGGTSSSPIKAIFPSPASLVATT  
 PSLVTSSTATTLTVPVPLPLTSAAVTNLSLTDQDLRRGCSWEVLRSLPDRVTTTAGTTDSTSNNTATVI  
 STAPPASSAVTSPSLSPSPSASASTSEASSASETNTTQTTSTPLPSPLGASQVMVTPGLQTAALQGA  
 AQLPANASLAAMAAAAGLSPGLMAPSQFAAGGALLSLSPGTLGSALSPALMSNSTLATIQALASSGSLPI  
 TSLDATGNLVFANAGGAPNIVTAPLFLNPQNL SLLTSNPVSLVAAAAASTGNSAPTASLHASSTSTESIQ  
 SSLFTVASASGPASTTTAASKAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

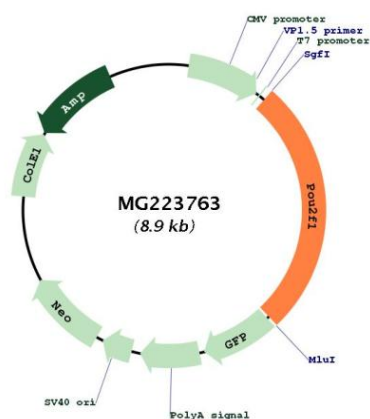


ACCN: NM\_011137

ORF Size: 2379 bp

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | <p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p> |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq:</b>                | <a href="#">NM_011137.3</a> , <a href="#">NP_035267.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>           | 2660 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq ORF:</b>            | 2382 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Locus ID:</b>              | 18986                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>            | <a href="#">P25425</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 1 73.21 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | Transcription factor that binds to the octamer motif (5'-ATTGTCAT-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 MG223763