

Product datasheet for **RN217190**

Pou2f1 (NM_001100639) Rat Untagged Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pou2f1 (NM_001100639) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pou2f1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

Fully Sequenced ORF: >RN217190 representing NM_001100639
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGGAGGAGCAGCGAGTCAAGATGAGAGTTCAGCCCGCGCGGAGCAGCAGCAGACTCAAGAA
 TGAACAATCCGTCAGAAACCAATAAGTCATCTATGGAGAGTGGAGATGCCAGCACAGGCACACAGACCAA
 TGGCCTGGACTTTGAGAAGCAGCCCGTGCCTGTCGGAGGGGCCATCTCCACAGCCAGGCCAGGCTTTTC
 CTTGGGCATCTTCACCAGGTCCAGCTCGCTGGGACAAGTTTACAGGCTGCTGCTCAATCTTTAAATGTAC
 AGTCTAAATCTAGTGAAGAGTCCGGAGATTGCGAGCAGTCAAGCCAGCCTTCCCAGCAGCCTTCAGTGCA
 GTCAGCCATTCCCAGACTCAGTAATGCTGGCCGGGGACAGATAACTGGGCTCACACTGACACCAGCC
 CAGCAACAGCTTTTACTACAGCAGGCCAGGCCAGGCCAGCTCCTGGTGTGTCAGTGCAGCAACT
 CCGCCAGCCAACAGCACAGTGTGCTGGGGCCACCATCTCAGCCTCCGCTGCCACACCCATGACGCAGAT
 CCCCTGTCTCAGCCATACAGATTGCACAGGATCTTCAACAATTGCAACAGCTTCAGCAGCAAAATCTC
 AACTTGCAACAGTTTCGTCTTGGTGCACCAACCAACTTGCAACCAGCACAGTTTATCATCTCTCAGA
 CCCCCAGGGCCAGCAGGGTCTCCTGCAAGCGCAAAATCTTTAACGCAACTACCTCAGCAAAGCCAAGC
 CAACCTCTACAGCCACAGCCAAGCATCACCTCACGTCCAGCCTACCACCCAACTCGCAATAGCA
 GCAACCCCAATTCAGACACTTCCACAGAGCCAGACAACACCAAAGCGAATTGATACTCCAGCTTGAGG
 AGCCAGTGACCTTGAGGAGCTTGAGCAATTTGCCAAGACTTTTAAACAAAGACGAATCAAACCTGGATT
 CACTCAGGGTGATGTTGGGCTTGCTATGGGAAATTAATGGAATGACTTCAGCCAAACCACCTCTCT
 CGCTTTGAAGCCTTGAACCTCAGCTTTAAGAACATGTGCAAGTTAAAGCCCTTTTAGAGAAGTGCTAA
 ATGACCGGAGAACCTCTCATCTGATTCTACAGCATCTAGCCCAAGTGCTTTGAATCTCCAGGGTTGGG
 GGCTGAGGGCTTGAATCGTAGGAGGAAAAACGCACCAGCATAGAGACCAACATCCGTGTGGCCTTAGAA
 AAGAGTTTCATGGAGAATCAAAAGCCTACCTCGGAAGATATCACCTTGATTGCTGAACAGCTCAATATGG
 AGAAGGAGGTGATTTCGTGTTTGGTTTTGTAAACCGCGCCAGAAGGAGAAAAGAATCAACCCGCCAAGCAG
 TGGTGGGACCAGCAGCTACCAATCAAAGCAATTTCCCAGCCCAACCTCACTGGTGGCAACCACTCCA
 AGCCTTGTGACAAGCAGTACAGCAACTACCCTCACAGTCAACCTGTGCTCCCCTTAACCAGTGTGCCA
 TGACTAATCTTTCTTTACAGGCACTACAGACTCCACGTCCAACAACACGGCCACCGTGATTTCCACAGC
 ACCCCCTGCTTCTCAGCAGTACATCTCCCTCCTTGAGTCCCTCTCCTTCTGCCTCAGCCTCCACCTCT
 GAGGCCTCTAGTGCCAGGAGACCAGCACAACACAGACCCTCCACACCTCTCCCCTCCCCTCTGGAG
 CCAGCCAGGTGATGGTGACAGCCTCTGGCTTACAGACTGCAGCCCGCGTCTCTCAAGGAGCTGCACA
 GTTGCCAGCAAATGCCAGTCTTGCTGCTATGGCTGCTGCTGCAGGACTCAATCCAGGCCTGATGGCACCC
 TCACAGTTTGTGCTGGAGGTGCCTTACTCAGTCTCAATCCGGGGACCCTGGGTGGGGCTCTCAGCCCGG
 CCCTGATGAGCAACAGTACACTGGCAACCATTCAGCTCTTGCTTCTAGTGGCTCTTCCAATAACATC
 TCTGGATGCAACTGGGAACCTGGTATTCGCAATGCAGGAGGAGCCCCAACATCGTGACTGCCCTCTG
 TTCCTGAACCTCAGAACCTCTCTGCTCACCAGCAACCCAGTAAGCTTGGTTTCTGCCGCTGCAGCCT
 CCACAGGGAACCTCCGACCTACAGCCAGCCTTCATGCCTCCTCCACCTCAACTGAGTCCATCCAGAATC
 TCTGTTACAGTGGCCTCTGCCAGCGGGCTGCCTCCACCACCACAGCTGCCTCCAAGGCACAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001100639

Insert Size: 2307 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).

| | |
|-------------------------------|---|
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <u>NM_001100639.1</u> , <u>NP_001094109.1</u> |
| RefSeq Size: | 2566 bp |
| RefSeq ORF: | 2307 bp |
| Locus ID: | 171068 |
| UniProt ID: | <u>P31503</u> |
| Cytogenetics: | 13q23 |
| Gene Summary: | acts as a transcriptional activator of CYP2D4 [RGD, Feb 2006] |