

Product datasheet for **RN216726**

Pou2f2 (NM_001271204) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou2f2 (NM_001271204) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pou2f2
Synonyms:	2-Oct; Oct2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216726 representing NM_001271204
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTCCTCCAGCATGGGGCTCCAGAATAAGAATGTCTAAGCCCCTGGAGGCCGAGAAGCAAAGTC
 TGGACTCCCGTCAGAGCACACAGACACTGAAAGAAATGGACCCGACATTAACCATCAGAACCCCCAGAA
 CAAAGCGTCCCCATTCTCTGTGTCCCAACTGGCCCCAGCACAAGATCAAGGCTGAAGACCCCACTGTT
 GATTCAGCCCCAGCAGCACCCCGCCCCCAGCCGGCTCAGCCTCATCTGCCAGGCCCAACTCATGT
 TGACGGGCAGCCAGCTAGCTGGGACATACAGCAACTCCTCCAGCTCCAACAGCTGGTGCTGTCCCGG
 CCACCACCTCCAGCCACCTGCTCAGTTCCTGCTGCCACAAGCGCAGCAGAGTCAGCCAGGGCTGCTACCA
 ACGCCAAATCTATTCCAGCTACCTCAGCAAACCCAGGGAGCTCTCCTGACCTCCAGCCCGGGCTGGG
 TTCTACACAGCCCTCGAAATGCTTGAGCCACCATCCCACCCGAGGAGCCAGTGATCTGGAGGAGCT
 GGAACAGTTCGTCGCACCTTCAAGCAACGCCGATCAAGCTGGGCTTACACAGGGTGTGTGGGCCTG
 GCCATGGCAAGCTCTATGGCAACGACTTCAGCCAAACGACCATTTCCCGCTTCGAGGCCCTAACCTGA
 GCTTCAAGAACATGTGTAAGCAAGCCCTCCTGGAGAAGTGGCTCAACGACGCAGAGACTATGTCTGT
 GGATTCAGCCTACCCAGCCCAAACAGCTGAGCAGCCCCAGCCTGGGTTTCGACGGGCTGCCGGGGCGG
 AGACGCAAGAAGAGGACCAGCATCGAGACGAATGTCCGCTTCGCCTTAGAGAAGAGTTTCTAGCGAACC
 AGAAGCCTACCTCAGAGGAGATCCTGCTGATTGCAGAGCAGCTGCACATGGAAAAGGAAGTATCCGCGT
 CTGGTTCTGCAACCGGCCGAGAAGGAGAAACGCATCAACCTTGCAAGTGGGCCCCATGCTGCCAGC
 CCGGAAAAGCCGACCAGTTACAGCCCGCACCTGGTCACACCCCAAGGGGGCGCAGGAACCTTACCATTGT
 CCCAAGCTTCTAGCAGTCTGAGCACAACAGTTACTACCTTATCCTCAGCTGTGGGGACACTCCACCCAG
 CCGGACAGCAGGAGGGGTGGCGGTGGGGCGGAGCCGCCCCCTCAATTCCATCCCCTCTGTCACT
 CCCCCACCCCGGCCACCACCAACAGCACAACCCGAGCCCTCAAGGCAGCCACTCGGCTATCGGCTTGA
 CGGCCTGAACCCAGCGCAGGCCCTGGCTCTGGTGAACCTGCCCTTACCAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271204
- Insert Size:** 1392 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:

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_001271204.2](#), [NP_001258133.2](#)

RefSeq Size: 1875 bp

RefSeq ORF: 1392 bp

Locus ID: 117058

Cytogenetics: 1q21

Gene Summary: organic cation transporter; involved in the translocation of agmatine [RGD, Feb 2006]