

Product datasheet for **MR224186**

Pou2f1 (NM_198932) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou2f1 (NM_198932) 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:

>MR224186 representing NM_198932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGGAGGAGCAGCGAGTCAAGATGAGAGTTCAGCCCGCGCGGAGCAGCAGCAGACTCAAGAA
 TGAATAATCCATCAGAAACCAATAAATCATCTATGGAGAGTGAAGATGCCAGCACAGGCACACAAACCAA
 TGGTCTGGACTTTCAGAAACAGCCCGTGCCCGTTGGAGGAGCGATCTCCACAGCCAGGCCAGGCCCTTC
 CTCGGACATCTTCACCAGGTCCAGCTAGCTGGGACAAGTTTACAGGCTGCTGCTCAGTCTTTAAATGTAC
 AGTCTAAATCCAGTGAAGAGTCGGGAGATTGCGAGCAGTCGAGCCAGCCTTCTCCAGCCGCTTCAGT
 GCAGTCAGCCATTCCCAGACCCAGCTAATGCTGGCTGGGGACAGATAACTGGGCTCACGTTGACCCCA
 GCCCAGCAACAGTACTGCTACAGCAGGCGCAGGCCAGGCCAGCTCCTGGCCGCTGCAGTGCAGCAAC
 ACTCCGCCAGCCAACAGCACAGTGTCTGGGGCCACCATCTCAGCCTCCGCCCCACCCCATGACGCA
 GATCCCCCTGTCTCAGCCATACAGATTGCACAGGATCTCAACAATTGCAACAGCTTCAGCAGCAAAAT
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 AGACCCCCAGGGCCAGCAGGGTCTCCTGCAAGCGCAAAATCTTTTAACGCAACTACCTCAGCAAAGCCA
 AGCCAACCTCCTACAGCCACAGCCAAGCATCACCTCAGTCCCAGCCTACCACCCCAACTCGCACAAATA
 GCAGCAGCCTCAGTTCAGACACTTCCACAGAGCCAGTCAACACCAAGCGAATTGACACTCCCAGCTTGG
 AGGAGCCCAGTGACCTTGAGGAGCTTGAGCAGTTTGCCAAAGACTTTCAAACAAAGACGAATCAAACCTGG
 ATTCACCTCAGGGTGATGTTGGGCTCGCTATGGGAAATATATGGAATGACTTCAGCCAAACCACCATC
 TCTCGCTTTGAAGCCTTGAACCTCAGCTTAAAGAACATGTGCAAGTTAAGCCCCCTTTAGAGAAGTGCC
 TAAATGATGCAGAGAACCTCTCATCTGATTCTACAGCATCTAGCCCAAGTGCTTTGAATTCAGGATT
 GGGGGCTGAGGGCTTGAATCGTAGGAGGAAAAACGCACCAGCATAGAGACCAACATCCGTGTGGCCTTA
 GAGAAGAGTTTTCATGGAGAATCAAAAGCCTACCTCGGAAGACATCACCTTGATTGCTGAACAGCTCAATA
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 CCAAGCCTTGTGACAAGCAGTACGGCAACTACCCTCACAGTCAACCCTGTCTCCTTTAACCAAGTGTG
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 CACAGCACCCCTGCTTCTCAGCAGTCACATCCCCTTCTTGTAGTCCCTCTCCCTCTGCCTCGGCCTCC
 ACCTCAGAGGCCCTCCAGTGCCAGTGAGACCAACACGACACAGACCACCTCCACGCCTCTTCCCTCCCTC
 TCGGAGCCAGCCAGGTGATGGTGACCACGCCCGGCTTACAGACAGCAGCCGCCGCTTCCAAGGAGCGGC
 ACAGTTGCCAGCAACGCCAGTCTTGCTGCTATGGCTGCTGCTGCGGGACTCAGCCCAGGCCCTATGGCA
 CCCTCACAGTTTGTGCTGGAGGTGCCTTACTCAGTCTCAGTCCGGGGACTCTGGGCAGTGTCTCAGCC
 CAGCCCTAATGAGCAACAGTACTGGCAACGATTCAAGCTCTTGCTTCTAGTGGCTCTTCCAAATAAC
 GTCTCTGGATGCAACTGGGAACCTGGTATTTGCCAATGCAGGAGGAGCCCCGAACATCGTACTGCACCT
 CTGTTCTGAACCCTCAGAACCTCTCTGCTCACCAGCAACCCAGTAAGCTTGGTTTCTGCCGCTGCAG
 CCTCCACAGGGAACCTCTGCACCTACAGCCAGCCTTCATGCCTCCTCCACCTCAACTGAGTCCATCCAGAG
 CTCTCTGTTACAGTCGCTCTGCCAGTGGGCTGCTTCCACCACCACAGCTGCCTCCAAGGCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224186 representing NM_198932
 Red=Cloning site Green=Tags(s)

MADGGAASQDESSAAAAAADSRMNNPSETNKSSMESEDASTGTQTNGLDFKQKQPVVGGAIISTAQAQAF
 LGHLHQVQLAGTSLQAAAQSLNVQSKSSEESGDSQSSQSSQPPSVQSAIPQTQLMLAGGQITGLTLTP
 AQQQLLLQQAQAQAQLLAAAVQQHSASQQHSAAGATISASAATPMTQIPLSQPIQIAQDLQQLQQLQQN
 LNLQQFVLVHPTTNLQPAQFIISQTPQGQGLLQAQNLTLQLPQQSQANLLQPQPSITLTSQPTTPTRTI
 AAASVQTLPQSQSTPKRIDTPSLEEPSDLEEQFAKTFKQRRIKLGFTQGDVGLAMGKLYGNDFSQTTI
 SRFEALNLSFKNMCKLKLPLEKWLNDAENLSSDSTASSPSALNSPGLGAEGLNRRRKRRTSIETNIRVAL
 EKSFMENQKPTSEDITLIAEQLNMEKEVIRVWFCNRRQKEKRINPPSSGGTSSSPIKAIFFSPASLVATT
 PSLVTSSTATTLTVPVPLPLTSAAVTNLSLTGTTDSTSNNTATVISTAPPASSAVTSPSLSPSPSASAS
 TSEASSASETNTTQTTSTPLPSPLGASQVMVTTPLQLTAAAAALQAAQLPANASLAAMAAAAGLSPGLMA
 PSQFAAGGALLSLSPGTLGSALSPALMSNSTLATIQALASSGSLPITSLDATGNLVFANAGGAPNIVTAP
 LFLNPQNL SLLTNPVSLV SAAAASTGNSAPTASLHASSTSTESIQSSLFTVASASGPASTTTAASKAQ

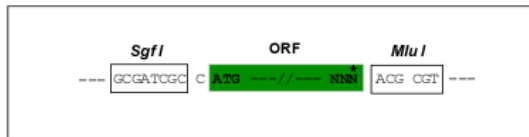
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198932

ORF Size: 2307 bp

OTI Disclaimer: 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_198932.3](#), [NP_945150.2](#)

RefSeq Size: 2588 bp

RefSeq ORF: 2310 bp

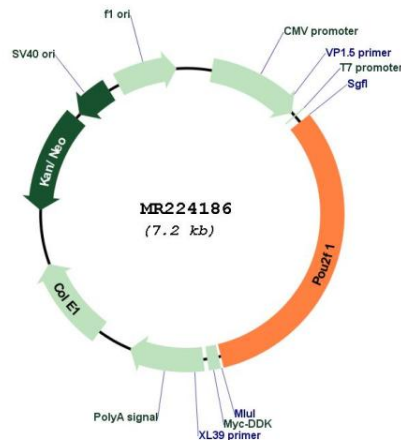
Locus ID: 18986

Cytogenetics: 1 73.21 cM

MW: 79.3 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 MR224186