

Product datasheet for **MG227016**

Pou3f1 (NM_011141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou3f1 (NM_011141) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pou3f1
Synonyms:	Oct-6; Oct6; Otf-6; Otf6; Scip; Test1; Tst-1; Tst1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG227016 representing NM_011141
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCACCGCGCAGTATCTGCCGCGGGGCCCGCGCGGAGCTGGGGGCACAGGGCCGCTCATGC
 ATCCCGATGCCGCGCGCGCGGCAGCGCGGCCGAGCGGCTGCACGCGGGGGCCGCTACCGCGAAGT
 GCAGAAGCTGATGCACCACGAGTGGCTGGGCGCGGGCGCGGGCCACCCGTGGGCCATAGCGACCCCTCAA
 TGGCTACCCACGGGAGGAGGCGCGCGCGGAGCTGGGCGGGCGGCCGACCTGGAACACGGCAAGGCAG
 GCGGTGGCGGTACCGGCCGAGCTGACGACGGCGCGGTGGCGCGGTTTCCACGCCCGCCTGGTGACCA
 AGGGGCGGCCACGCGGGCGCGCATGGGCACAAGGCGGCACAGCGCACCACTTGGGCCCGCCATGTCTG
 CCGTCGCCCGGGCGCGGGGGTACCAGCCCCAGCGCTCGGGCTGTACGCTCAGGCGGCCTACCCCG
 GTGGCGGGCGCGGCCCTGGCCGGATGCTGGCGCGGGAGGCGGGCGGGACCCGGCCTGCACCA
 CGCACTGCACGAGGACGCCACGAGGCACAGCTGGAGCCGTCGCCACCACCGCACCTGGGCGCACACGGA
 CACGCACACGGACATGCACACGCGGGCGGCCTGCACGCGCGGGCGCGCACCTGCACCCGGCGCGGGCG
 GTGGTGGCTCGTCGGTGGGCGAGCACTCGGACGAGGATGCTCCCAGCTCCGACGACCTGGAGCAGTTCGC
 CAAGCAGTTCAAGCAACGACGCATCAAGCTGGGCTTCACCAGGCCGACGTGGGACTGGCGCTGGGCACC
 CTCTACGGTAACGTGTTCTCGCAGACCACCATCTGCCGTTTCGAGGCCCTGCAGCTGAGCTTCAAGAACA
 TGTGCAAGCTCAAGCCGTGCTCAACAAGTGGCTGGAGGAGACCGACTCGTCCAGCGGCAGCCCCACCA
 CCTGGACAAGATCGCGGCGCAGGGCCGCAAGCGCAAGAAGCGCACGTCCATCGAGGTGGGTGTCAAAGGC
 GCGCTCGAGAGCCACTTTCTCAAGTGTCCCAAGCCGTCTGCGCACGAGATCACCGCCTGGCCGACAGCC
 TGCAACTGGAGAAGGAGGTGGTGCCTGTCTGTTCTGCAACCGCGCGCAGAAGGAGAAGCGCATGACCCC
 CGCGGCCGCGCGGGCCACCCGCCCATGGACGACGTTTATGCGCCTGGGGAGCTGGGGCCTGGCGGGGGC
 AGCGCGTCGCGCACCTTCTGCGCCCCGCCACCCCGCGCGCGCTGCACCACCACCACCACACACAC
 TGCCCGGCTCTGTGACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG227016 representing NM_011141
 Red=Cloning site Green=Tags(s)

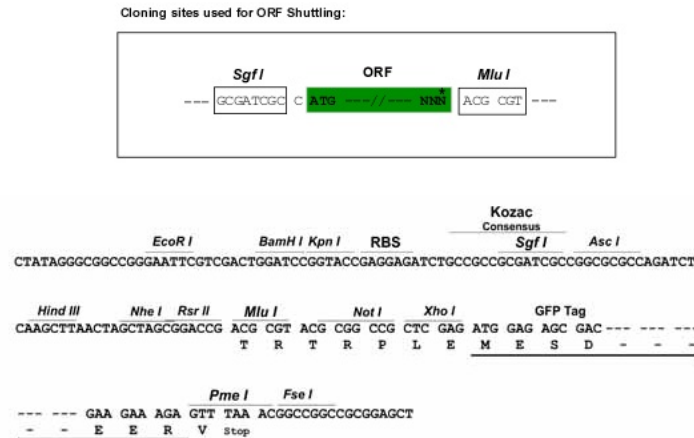
MATTAQYLPRGPGGGAGGTGPLMHPDAAAAAAAAAERLHAGAAAYREVQKLMHHEWLGAGAGHPVGLAHPQ
 WLPTGGGGGGDWAGGPHLEHGKAGGGGTGRADDGGGGGFHARLVHQGAHAGAAWAQGGTAHHLGPAMS
 PSPGAGGGHQPLGLYAQAAYPGGGGGLAGMLAAGGGGAGPGLHHALHEDGHEAQLEPSPPPHLAGH
 HAHGHAHAGGLHAAAHLHPGAGGGSSVGEHSDEAPSSDDLEQFAKQFKQRRIKLGFTQADVGLALGT
 LYGNVFSQTTICRFEALQLSFKNMCKLKPLLNKWLEETDSSSGSPTNLDKIAAQGRKRKRRTSIEVGKVG
 ALESHFLKCPKPSAHEITGLADSLQLEKEVVRVWFNRRQKEKRMTPAAGAGHPPMDDVYAPGELPGGG
 SASPPSAPPPPPAALHHHHHTLPGSVQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011141

ORF Size: 1347 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011141.2](#), [NP_035271.1](#)

RefSeq Size: 3013 bp

RefSeq ORF: 1350 bp

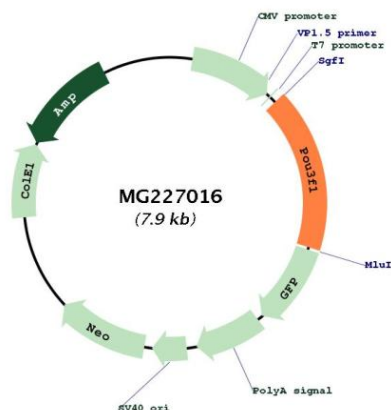
Locus ID: 18991

UniProt ID: [P21952](#)

Cytogenetics: 4 57.86 cM

Gene Summary: Transcription factor that binds to the octamer motif (5'-ATTGTCAT-3'). Thought to be involved in early embryogenesis and neurogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG227016