

Product datasheet for **MC208038**

Pou5f1 (NM_013633) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Pou5f1 (NM_013633) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pou5f1 |
| Synonyms: | NF-A3; Oct; Oct-; Oct-3; Oct-3/; Oct-3/4; Oct-4; Oct3; Oct3/; Oct3/4; Oct4; Otf; Otf-; Otf-3; Otf-4; Otf3; Otf3-; Otf3-rs7; Otf3g; Otf4 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC208038 representing NM_013633 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGACACCTGGCTTCAGACTTCGCCTTCTACCCCCACCAGGTGGGGTGATGGGTGAGCAGGGC
TGGAGCCGGCTGGTGGATCCTCGAACCTGGCTAAGCTTCCAAGGGCTCCAGGTGGGCTGGAATCGG
ACCAGGCTCAGAGGTATTGGGGATCTCCCATGTCCGCCGCATACGAGTTCTGCGGAGGGATGGCATA
TGTGGACCTCAGGTTGGACTGGCCTAGTCCCCAAGTTGGCGTGAGACTTTGCAGCCTGAGGGCCAGG
CAGGAGCACGAGTGAAAGCAACTCAGAGGGAACCTCCTCTGAGCCCTGTGCCGACGCCCAATGCCGT
GAAGTTGGAGAAGGTGGAACCAACTCCCGAGGAGTCCCAGGACATGAAAGCCCTGCAGAAGGAGTAGAA
CAGTTTGCCAAGCTGCTGAAGCAGAAGAGGATCACCTTGGGGTACACCCAGGCCGACGTGGGGCTACCC
TGGGCGTTCTCTTTGAAAGGTGTTAGCCAGACCACCATCTGTGCTTTCGAGGCCCTGCAGCTCAGCCT
TAAGAATGTGTAAAGCTGCGGCCCTGCTGGAGAAGTGGGTGGAGGAAGCCGACAACAATGAGAACCTT
CAGGAGATATGCAATCGGAGACCCTGGTGCAGGCCCGGAAGAGAAAGCGAACTAGCATTGAGAACCCTG
TGAGGTGGAGTCTGGAGACCATGTTCTGAAGTCCCCGAAGCCCTCCCTACAGCAGATCACTCACATCGC
CAATCAGCTTGGCTAGAGAAGGATGTGGTTCGAGTATGGTCTGTAACCGGCCGAGGAGGCAAAAGA
TCAAGTATTGAGTATCCCAACGAGAAGATGAGGCTACAGGGACACCTTTCCAGGGGGGCTGTAT
CCTTTCCTCTGCCCCAGGTCCCCACTTTGGCACCCAGGCTATGGAAGCCCCACTTCACCACACTCTA
CTCAGTCCCTTTCTGAGGGCGAGGCCTTTCCCTCTGTTCCCGTCACTGCTCTGGGCTCTCCATGCAT
TCAA**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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| ACCN: | NM_013633 |
| Insert Size: | 1059 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). |
| 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: | NM_013633.3 , NP_038661.2 |
| RefSeq Size: | 1353 bp |
| RefSeq ORF: | 1059 bp |
| Locus ID: | 18999 |
| UniProt ID: | P20263 |
| Cytogenetics: | 17 18.69 cM |
| Gene Summary: | <p>The protein encoded by this gene belongs to the POU domain family of transcription factors. POU domain transcription factors bind to a specific octamer DNA motif and regulate cell type-specific differentiation pathways. The encoded protein plays a key role in embryonic development and stem cell pluripotency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |