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# Product datasheet for MC229310

## St18 (NM_001244693) Mouse Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | St18 (NM_001244693) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | St18 |
| **Synonyms:** | AV348974; mKIAA0535; Myt3; NZF-3; Nzf3 |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Cell Selection:** | Neomycin |
| **Fully Sequenced ORF:** | >MC229310 representing NM_001244693<br>Red=Cloning site Blue=ORF Orange=Stop codon<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGGATGCCGAGGTTGAAGATAAAACGTTGCATACTCTTTCAAAAGGAACTGAAGTTCCAATGGATTCTC<br>TGATCCCAGAGCTCAGGGTTCCATATGATTGCTCTATGGCGAAGAAGAGGAGAGCTGAAGAGCAGGCATC<br>GGGAGTTCCAATTAACAAGAGGAAATCTCTGCTAATGAAACCCCGGCACTACAGCCCAGACATGGGCTGC<br>AAGGAAAGCCCAGACAACAGGAACGAGGATGATGGCCTCCTAGAAACAAACGACCATGCCACTGCAGATG<br>AAATCATGGTAAAATCCATGGATGAAACTCTTCATTTACCTGCACAAGACAGCTCACTCCAGAAGAAAGA<br>CCAATACACATGTTATCCAGAGCTCATGGTCAAATCTCTGGTGCACTTAGGCAAATTTGAGGAAAGTGAG<br>TCTGTGCAGACCACATGTGAGAACTTAAATGGCAGCAGTATCCAGTCTTTAAAAGCAGAGAGTGATGAAG<br>CACATGAAGGTTCTATGGTTCATTCCGACAATGGAAGAGACAAAGTCCACCATTCCCAGCCACCTTTCTG<br>CTCTTCTGGTGACAGCGAAAGTGACTCTGACAGTGCAGAGAATGGGTGGGGCAATGGCTCCAACTCATCA<br>GAAGACACTGACACTCACAAAGGCCCCAAACACAAGCTGACATACAATAGAAAGGACCTGTTGGAAGTTC<br>CTGAGATAAAAGCTGAAGATGACAAGTTTATCCCTTGTGAGAACAGGTGTGATTCTGACACAGATGGGAG<br>AGACCCACAGAACTCTCATATGGAACCCTTGGTTGTGAAAGCCCAGCCTTCCTTCCCAGAGGTTGAAGAG<br>GGTGAGAGCCTGGCCACAGTAACAGAAGAGCCTGCTGAGGTGGAGAAAGCAAAGGGGAACCTGAGTTTGC<br>TGGAACAGGCTATTGCTCTACAGGCTGAACGAGGTTCTGTCTTCCATCACACTTATAAGGAGCTGGACCG<br>ATTTTTCCTGGACCACCTGGCAAGGGAACGGAGGCAACCTAGAGTTACTGATGCCAATGGAAGACAAATC<br>TTTACTAATAAACATTCACCAAGACCTGAAAGGAGGGAGGCCAAGTGCCCCATTCCTGGCTGTGATGGCA<br>CGGGGCACGTAACAGGGCTCTACCCTCACCACCGCAGCCTTTCTGGGTGCCCCCACAAAGTGCGAGTTCC<br>TCTGGAAATTCTCGCCATGCATGAGAACGTGCTCAAGTGTCCCACGCCAGGATGCACAGGAAGGGGACAT<br>GTGAACAGCAATCGCAACACTCACAGAAGTCTTTCTGGTTGTCCGATTGCTGCAGCTGAAAAGCTGGCAA<br>TGACCCAGGACAAAAGTCAACTTGATTCTTCTCAGACGGGGCAGTGTCCTGAGCAGGCACACAGGGTGAA<br>TTTGGTGAAGCAAATTGAATTTAATTTCCGCTCACATGCCATCACTTCTCCAAGAGCCTCTGCATCAAAA<br>GAACAAGAGAAGTTTGGGAAAGTACCGTTTGATTATGCCAGTTTTGATGCACAAGTATTTGGGAAACGTC |



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CTCTCCTACAAACAGGGCAAGGACAAAAAGCACCACCATTTCCTGAATCAAAGCATTTTTCAAATCCAGT
GAAATTTCCTAATGGACTGCCTAGTGCTGGCGCCCACACACAGAGCACAGTCCGTGCCAGCTCTTATGGC
CATGGTCAGTACAGTGAAGACACCCACATAGCAGCAGCTGCTGCCATCCTGAACCTTTCCACCCGCTGCA
GGGAAGCCACAGACATCCTCTCCAACAAACCACAAAGCCTGCGTGCCAAGGGAGCTGAGATAGAAGTAGA
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CACCAGGATGTGATGGAAGCGGCCATGTCACAGGCAACTATGCATCTCACCGCAGTGTCTCTGGATGTCC
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TGTGATGGTTCTGGTCATGTGACTGGAAACTATGCCTCCCACCGAAGCTTGTCTGGTTGCCCTCGTGCAA
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GCTGCCAAAAGACAGAAAGAGAATCCCCTCAATGGGGCACCTCTCTCCTGGAAACTGAACAAGCAAGAGC
TTCCTCACTGTCCTCTGCCAGGATGCAATGGTCTGGGTCATGTAAACAACGTTTTTGTCACCCACAGAAG
CTTATCTGGATGCCCTCTTAATGCACAAGCTATCAAAAAAGTCAAGGTCTCTGAGGAACTAATGACTATC
AAGCTCAAAGCAACTGGGGGTATTGATGGTGATGAAGAAATTAGGCATCTGGATGAAGAAATCAAGGAAC
TGAATGAATCCAACCTTAAAATTGAAGCAGATATGATGAAACTTCAGACCCAGATAACATCTATGGAGAG
CAACTTGAAGACCATAGAGGAGGAGAACAAGCTTATAGAACAGAGCAATGAGAGTCTGCTGAAGGAGCTG
GCAGGGCTTAGCCAGGCTCTCATCTCCAGCCTTGCTGACATCCAACTTCCACAGATGGGGCCTATCAATG
AGCAGAATTTTGAAGCATATGTAAATACTCTCACAGACATGTACAGCAATCTGGAACAGGACTATTCCCC
AGAATGCAAAGCTCTACTGGAAAGCATCAAGCAGGCGGTGAAGGGCATCCATGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001244693

**Insert Size:** 3138 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_001244693.1, NP_001231622.1

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|---|---|
| **RefSeq Size:** | 5835 bp |
| **RefSeq ORF:** | 3138 bp |
| **Locus ID:** | 240690 |
| **UniProt ID:** | Q80TY4 |
| **Cytogenetics:** | 1 A1 |
| **Gene Summary:** | Repressor that binds to DNA sequences containing a bipartite element consisting of a direct repeat of the sequence 5'-AAAGTTT-3' separated by 2-9 nucleotides. Represses basal transcription activity from target promoters (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein. |