

Product datasheet for **MC229309**

St18 (NM_001244692) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St18 (NM_001244692) 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: >MC229309 representing NM_001244692
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGCCGAGGTTGAAGATAAAACGTTGCATACTCTTTCAAAGGAACTGAAGTTCCAATGGATTCTC
TGATCCCAGAGCTCAGGGTTCCATATGATTGCTCTATGGCGAAGAAGAGGAGAGCTGAAGAGCAGGCATC
GGGAGTTCCAATTAACAAGAGGAAATCTCTGCTAATGAAACCCCGGCACTACAGCCAGACATGGGCTGC
AAGGAAAGCCCAGACAACAGGAACGAGGATGATGGCCTCCTAGAAACAAACGACCATGCCACTGCAGATG
AAATCATGGTAAAATCCATGGATGAAACTCTTCATTTACCTGCACAAGACAGCTCACTCCAGAAGAAAGA
CCAATACACATGTTATCCAGAGCTCATGGTCAAATCTCTGGTGCACCTTAGGCAAATTTGAGGAAAGTGAG
TCTGTGCAGACCACATGTGAGAACTTAAATGGCAGCAGTATCCAGTCTTTAAAAGCAGAGAGTGATGAAG
CACATGAAGTTCTATGGTTCATTCCGACAATGGAAGAGACAAAGTCCACCATTCCCAGCCACCTTTCTG
CTCTTCTGGTGACAGCGAAAAGTGACTCTGACAGTGCAGAGAATGGGTGGGCAATGGCTCCAACATCA
GAAGACACTGACACTCACAAAGGCCCAACACAAGCTGACATACAATAGAAAGGACCTGTTGGAAGTTC
CTGAGATAAAAGCTGAAGATGACAAGTTTATCCCTTGTGAGAACAGGTGTGATTCTGACACAGATGGGAG
AGACCCACAGAACTCTCATATGGAACCCCTGGTTGTGAAAGCCAGCCTTCTTCCAGAGGTTGAAGAG
GGTGAGAGCCTGGCCACAGTAACAGAAGAGCCTGCTGAGGTGGAGAAAGCAAAGGGGAACCTGAGTTTGC
TGGAACAGGCTATTGCTCTACAGGCTGAACGAGGTTCTGTCTTCCATCACACTTATAAGGAGCTGGACCG
ATTTTTCTGGACCACCTGGCAAGGGAACGGAGGCAACCTAGAGTTACTGATGCCAATGGAAGACAAATC
TTTACTAATAAACATTACCAAGACCTGAAAGGAGGGAGGCAAGTGCCCATCTCTGGCTGTGATGGCA
CGGGGCACGTAAACAGGGCTCTACCCTCACCACCGCAGCCTTTCTGGGTGCCCCACAAAGTGCAGTTCC
TCTGAAATTCTGCCATGCATGAGAACGTGCTCAAGTGTCCCACGCCAGGATGCACAGGAAGGGGACAT
GTGAACAGCAATCGCAACACTCACAGAAGTCTTCTGGTTGTCCGATTGCTGCAGCTGAAAAGCTGGCAA
TGACCCAGGACAAAAGTCAACTGATTCTCTCAGACGGGGCAGTGTCTGAGCAGGCACACAGGGTGAA
TTTGGTGAAGCAAATTGAATTTAATTTCCGCTCATGCCATCACTTCTCCAAGAGCCTCTGCATCAAAA
GAACAAGAGAAGTTTGGGAAAGTACCGTTTGATTATGCCAGTTTTGATGCACAAGTATTTGGGAAACGTC



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CTCTCCTACAAACAGGGCAAGGCAAAAAAGCACCACCATTTCCTGAATCAAAGCATTTCCTCAAATCCAGT
 GAAATTTCTAATGGACTGCCTAGTGTGGCGCCACACACAGAGCACAGTCCGTGCCAGCTCTTATGGC
 CATGGTCAGTACAGTGAAGACACCCACATAGCAGCAGCTGCTGCCATCCTGAACCTTTCCACCCGCTGCA
 GGAAGCCACAGACATCCTCTCCAACAAACCACAAAGCCTGCGTGCCAAGGGAGCTGAGATAGAAGTAGA
 TGAACACGGCACATTGGACTTAAGCATGAAAAAATCGAATCCACGACAAGTCTATACCCCAACTTCC
 TCACCTACTACAATTACAACCCCATCCTCATCCCCATTCAACGCAAGCAGCCTTCTGGTCAATGCTGCCT
 TCTATCAGGCCCTCTGATCAAGAAGGCTGGAATGTGCCATCAACTATAGCAAATCCCATGGAAGAC
 AGAGGAGGAGAAAGAGAAAGATCCTGTGAACCTCCTAGAAAAATTTAGAGGAAAAAAGTTTGTGGAGAG
 GCCTCTATCCCAAGCCAAAGCCCAAGTGCATACAAGAGATCTCAAGAAAGAATTAATCACCTGTCCAA
 CACCAGGATGTGATGGAAGCGGCCATGTCACAGGCAACTATGCATCTCACCGCAGTGTCTCTGGATGTC
 TCTAGCAGATAAGACTCTGAAGTCTCTCATGGCTGCCAAGTCTCAAGAGCTTAAGTGTCAAACCCAGGT
 TGTGATGGTTCTGGTCTGTGACTGAAACTATGCCTCCACCGAAGCTTGTCTGGTTGCCCTCGTGCA
 GGAAGGTGGCATCAAAATGACCCCAACAAAAGAAGAAAGAAAGACTCTGAAGTGTAGTGCCTGTAAT
 AGGGTGTGACGGCAAGGCCACATATCAGGTAATACACATCACACCGCACAGCTTCTGGCTGTCTCTG
 GCTGCCAAAAGACAGAAAGAGAATCCCCTCAATGGGGCACCTCTCTCTGAAACTGAACAAGCAAGAGC
 TTCTCCTACTGTCTCTGCCAGGATGCAATGGTCTGGGTGATGTAACAAGTTTTTGTCAACCCACAGAAG
 CTTATCTGGATGCCCTCTTAATGCAAGCTATCAAAAAAGTCAAGGTCTCTGAGGAACTAATGACTATC
 AAGCTCAAAGCAACTGGGGTATTGATGGTGTGAAAGAAATTAGGCATCTGGATGAAGAAATCAAGGAAC
 TGAATGAATCCAACCTTAAAATTGAAGCAGATATGATGAACTTCAGACCCAGATAACATCTATGGAGAG
 CAACTTGAAGACCATAGAGGAGGAGAACAAGCTTATAGAACAGAGCAATGAGAGTCTGCTGAAGGAGCTG
 GCAGGGCTTAGCCAGGCTCTCATCTCCAGCCTTGCTGACATCCAACCTCCACAGATGGGGCCTATCAATG
 AGCAGAATTTGAAGCATATGTAATACTCTCACAGACATGTACAGCAATCTGGAACAGGACTATTTCCC
 AGAATGCAAAGCTCTACTGGAAGCATCAAGCAGGCGGTGAAGGGCATCCATGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001244692
- 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_001244692.1](#), [NP_001231621.1](#)

RefSeq Size: 5913 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 (1) represents the longest transcript and it encodes the same protein as variants 2 and 3.