

Product datasheet for MR231520

St18 (NM_001244692) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St18 (NM_001244692) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St18
Synonyms:	AV348974; mKIAA0535; Myt3; NZF-3; Nzf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231520 representing NM_001244692 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGATGCCGAGGTTGAAGATAAAACGTTGCATACTCTTTCAAAGGAACTGAAGTTCCAATGGATTCTC
TGATCCCAGAGCTCAGGGTTCCATATGATTGCTCTATGGCGAAGAAGAGGAGAGCTGAAGAGCAGGCATC
GGGAGTTCCAATTAACAAGAGGAAATCTCTGCTAATGAAACCCCGGCACTACAGCCAGACATGGGCTGC
AAGGAAAGCCAGACAACAGGAACGAGGATGATGGCCTCTAGAAACAAACGACCATGCCACTGCAGATG
AAATCATGGTAAAATCCATGGATGAAACTCTTCATTTACCTGCACAAGACAGCTCACTCCAGAAGAAAGA
CCAATACACATGTTATCCAGAGCTCATGGTCAAATCTCTGGTGCACCTTAGGCAAATTTGAGGAAAGTGAG
TCTGTGCAGACCACATGTGAGAAGTAAATGGCAGCAGTATCCAGTCTTTAAAAGCAGAGAGTGATGAAG
CACATGAAGGTTCTATGGTTCAATCCGACAATGGAAGAGACAAAGTCCACCATTCCCAGCCACCTTTCTG
CTCTTCTGGTGACAGCGAAAGTGACTCTGACAGTGACAGAGAAATGGGTGGGGCAATGGCTCCAACATCA
GAAGACTGACACTCACAAGGCCCAACACAAGCTGACATACAATAGAAAGGACCTGTTGGAAGTTC
CTGAGATAAAAGCTGAAGATGACAAGTTATCCCTTGAGAACAGGTGTGATTCTGACACAGATGGGAG
AGCCACAGAACTCTCATATGGAACCTTGGTTGTGAAAGCCAGCCTTCCTCCAGAGGTTGAAGAG
GGTGAGAGCCTGGCCACAGTAACAGAAGAGCCTGCTGAGGTGGAGAAAGCAAAGGGGAACCTGAGTTTGC
TGGAACAGGCTATTGCTCTACAGGCTGAACGAGGTTCTGTCTCCATCACACTATAAGGAGCTGGACCG
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TTTACTAATAACATTACCAAGACCTGAAAGGAGGGAGGCAAGTGCCCATTCCTGGCTGTGATGGCA
CGGGGCACGTAACAGGGCTTACCCTCACCACCGCAGCCTTTCTGGTGCCCCACAAAGTGCGAGTTCC
TCTGAAATTCTCGCATGCATGAGAACGTGCTCAAGTGTCCACGCCAGGATGCACAGGAAGGGGACAT
GTGAACAGCAATCGAACACTCACAGAAGTCTTCTGGTTGTCCGATTGCTGCAGCTGAAAAGCTGGCAA
TGACCCAGGACAAAAGTCAACTTGATTCTCTCAGACGGGCAGTGTCTGAGCAGGCACACAGGGTGAA
TTTGGTGAAGCAAATTGAATTAATTTCCGCTCACATGCCATCACTTCTCCAAGAGCCTCTGCATCAAAA



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GAACAAGAGAAGTTTGGGAAAGTACCGTTTGATTATGCCAGTTTTGATGCACAAGTATTTGGGAAACGTC
 CTCTCCTACAAACAGGGCAAGGACAAAAAGCACCACCTTTCTGAATCAAAGCATTTTTCAAATCCAGT
 GAAATTTCTAATGGACTGCCTAGTGTGGCGCCACACACAGAGCAGTCCGTGCCAGCTCTTATGGC
 CATGGTCAGTACAGTGAAGACACCCACATAGCAGCAGTGTGCCATCCTGAACCTTTCCACCCGCTGCA
 GGGAAAGCCACAGACATCCTCTCCAACAAACCACAAAGCCTGCGTGCCAAGGGAGCTGAGATAGAAGTAGA
 TGAANAACGGCACATTGGACTTAAGCATGAAAAAATCGAATCCACGACAAGTCTATACCCCAACTTCC
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 AGAGGAGGAGAAAAGAAAGATCCTGTGAACCTCTAGAAAAATTTAGAGGAAAAAAGTTTGTGGAGAG
 GCCTCTATCCCAAGCCAAAGCCCAAGCTGCATACAAGAGATCTCAAGAAAGAATTAATCACCTGTCCAA
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 GGAAGGTGGCATCAAAATGACCCCAACAAAAGAAGAAAAAGAAAGACTCTGAAGTATAGTGCCTGTAAT
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 CTTATCTGGATGCCCTCTTAATGCAAGCTATCAAAAAAGTCAAGGTCTCTGAGGAACTAATGACTATC
 AAGCTCAAAGCAACTGGGGTATTGATGGTGTGAAAGAAATAGGCATCTGGATGAAGAAATCAAGGAAC
 TGAATGAATCAAACCTTAAAATTGAAGCAGATATGATGAACTTCAGACCCAGATAACATCTATGGAGAG
 CAACTTGAAGACCATAGAGGAGGAGAACAAGCTTATAGAACAGAGCAATGAGAGTCTGCTGAAGGAGCTG
 GCAGGGCTTAGCCAGGCTCTCATCTCCAGCCTTGTGACTCCAAGTCCACAGATGGGGCTATCAATG
 AGCAGAATTTTGAAGCATATGTAATACTCTCACAGACATGTACAGCAATCTGGAACAGGACTATTCCCC
 AGAATGCAAAGCTCTACTGGAAGCATCAAGCAGCGGTGAAGGGCATCCATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231520 representing NM_001244692

Red=Cloning site Green=Tags(s)

MDAEVEDKTLHLSKGTEVPMDSLIPELRVPYDCSMAKKRRAEEQASGVPINKRKSLLMKPRHYSMDMGC
 KESPDNRNEDDGLLETNDHATADEIMVKSMDLHLPADSSSLQKQDQYTCYPELMVKSLVHLGKFESE
 SVQTTCCENLNGSSIQSLKAESDEAHEGSMVHSDNGRDKVHHSQPPFCSSGDSSESDSAENGWGNSNSS
 EDTDTHKGPKHKLTYNRKDLLEVPEIKAEDDKFIPCENRCDSDTDGRDPQNSHMEPLVVKAPSFPEVEE
 GESLATVTEEPAEVEKAKGNLSLLEQAIALQAERGSVFHHTYKELDRFFLDHLARERRQPRVTDANGRQI
 FTNKHSRPRERREAKCPIPGCDGTGHVTGLYPHRSLSGCPHKVRVPLEILAMHENVLKCPTPGCTGRGH
 VNSNRNTHRSLSGCPIAAAEKLAMTQDKSQLDSSQTGQCPEQAHVNLVKQIEFNFRSHAITSPRASASK
 EQEKFGKVPFDYASFDAQVFGKRPLLQTGQGQKAPPFPESKHFNPVKFPNGLPSAGAHTQSTVRASSYG
 HGQYSEDTHTIAAAAAAILNLSTRCREATDILSNKPQSLRAKGAEIEVDENGLDL SMKKNRIHDKSIPPTS
 SPTTITTPSSSPFNASSLLVNAAFYQALSDQEGWNPINYSKSHGKTEEEKEKDPVNFLENLEEKFFAGE
 ASIPSPKPKLHTRDLKELITCPTPGCDGSGHVTGNYSASHRSVSGCLADKTLKSLMAANSQELKCPTPG
 CDGSGHVTGNYSASHRSLSGCPRARKGKIMTPTKEEKEDSELRCPIVIGCDGQGHISGKYTSHTASGCL
 AAKRQKENPLNGAPLSWKLNKQELPHCLPLGCNGLGHVNNVVFVTHRSLSGCLNAQAIAIKKVKVSEELMTI
 KLKATGGIDGDEEIRHLDEEIKELNESNLKIEADMMKLQTQITSMESNLKTIIEENKLEEQSNESLLKEL
 AGLSQLISSLADIQLPQMGPIEQNFAYVNTLTDMSYLNLEQDYSPECKALLESIKQAVKGIHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001244692

ORF Size: 3135 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_001244692.1](#), [NP_001231621.1](#)

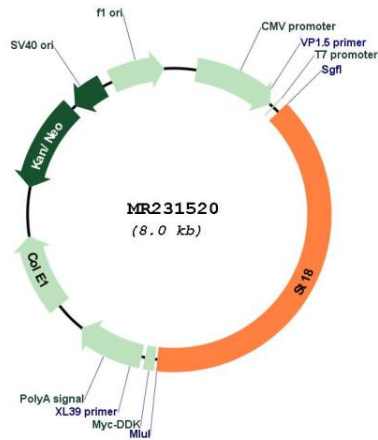
RefSeq Size: 5913 bp

RefSeq ORF: 3138 bp

Locus ID: 240690

UniProt ID: [Q80TY4](#)
 Cytogenetics: 1 A1
 MW: 114.8 kDa
 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]

Product images:



Circular map for MR231520