

Product datasheet for MR218996

Ss18 (NM_001161369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ss18 (NM_001161369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ss18
Synonyms:	D130059H17; Ssxt; Syt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218996 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGTGGCGTTCGCAGCCCCGAGGCAGCGGGCAAGGGCGAAATCACGCCGCCGCCATCCAGAAGA
TGCTGGATGAAAACAACCATCTTATTTCAGTGTATAATGGACTATCAGAACAAGGGAAGGCTCGGAGTG
CTCGCAGTATCAGCAGATATTGCATACAACTGGTATACCTTGCTACAATAGCAGACTCTAATCAAAT
ATGCAGTCTCTTACCAGCACCGCCACACAGACTATGCCAATGGTCTCGAGGGATGAGTCAGAGTG
GCCCTCACCCCCCTCCCGCTCTCAACATGCCTTCAGATGGAATGGTGGTGGGGCCCTCCTGCACC
ACACATGCAGAACCAGATGAACGCCAGATGCCTGGGCCAACCATATGCCAATGCAGGGACCTGGACCC
AGTCAGCTCAGCATGACAAACAGCTCCATGAATATGCCTTCAAGTAGCCATGGCTCCATGGGAGGTTACA
ACCATTCTGTGCCGTCATCCCAGAGCATGCCCGTGCAGAACCAGATGACAATGAGTCAGGGGAGCCAAT
GGGAAACTATGGTCCCAGACCAACATGAATATGCAACCAAAATCAAGGGCCGATGATGCACCAGCAGCCT
CCTTCTCAGCAGTACAATATGCCACCTGGAGGGGCACAGCATTACCAAGGACAGCAGGCGCCATGGGGC
TGATGGGCAAGTTAACCAAGGCAGTCACATGATGGGCCAGCAGATGCCTCCCTACAGACCTCCGCA
ACAGGGCCACCACAGCAGTACTCAGGCCAGGAAGACTATTATGGGGACCAATACAGTCTGTTGGACAA
GGTCTCCAGAAGGCATGAACCAGCAATATTACCCTGATGGAACTCCCAGTATGGCCAACAGCAAGAGC
CTTACCAGGGACCCTCCACAGCAAGGATACCCACCCACAGCAGCAGTACCCGGACAGCAGGGGATA
CCCAGGGCAGCAGAGCTATGGTCTTCGCAGGGCGGTCCAGGTCTCAGTATCCTAATTATCTCAG
GGTCAAGGTCAGCAGTATGGGGCTATAGACCAACACAGCCAGGACCACCCAGCCACCCAGCAGAGGC
CTTATGGGTACGACCAGGGACAGTATGGAATTACCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218996 protein sequence
 Red=Cloning site Green=Tags(s)

MSVAFAAPRQRGKEITPAAIQKMLDENNHLIQCIMDYQNKGKASECSQYQQILHTNLVYLATIADSNQN
 MQSLLPAPTQTMPMGGMSQSGPPPPRSHNMPSDGMVGGPPAPHMQNQMGMPGNHMPMQGPGP
 SQLSMTNSSMNMPSSSHGSMGGYNHSPSSQSMVPVQNQMTMSQGPNGYGRPNMNMQPNQGPMMHQQP
 PSQQYNMPPGGAQHYQGQAPMGLMGQVNOGSHMMGQRQMPYRPPQQGPPQQYSGQEDYYGDQYSHGGQ
 GPPEGMNQQYYPDGNSQYGGQQDAYQGPPPPQQGYPPQQQYYPGQQGYPGQQQSYGSPSQGGPQPYPNYPQ
 GQGQQYGGYRPTQPQPQPQRPYGYDQGYGNYQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001161369

ORF Size: 1164 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_001161369.1](#), [NP_001154841.1](#)

RefSeq Size: 3017 bp

RefSeq ORF: 1164 bp

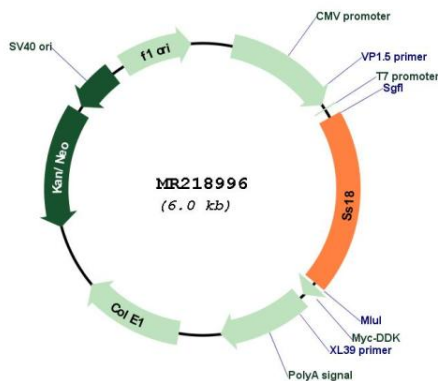
Locus ID: 268996

Cytogenetics: 18 A1

MW: 42.2 kDa

Gene Summary: Appears to function synergistically with RBM14 as a transcriptional coactivator. Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218996