

Product datasheet for MR218160

Ss18 (NM_009280) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ss18 (NM_009280) 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:	>MR218160 representing NM_009280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTGGCGTTCGACGCCCCGAGGCAGCGGGCAAGGGCGAAATCACGCCGCCGCCATCCAGAAGA
TGCTGGATGAAAACAACCATCTTATTCAGTGTATAATGGACTATCAGAACAAGGGAAGGCTCGGAGTG
CTCGCAGTATCAGCAGATATTGCATACAAACCTGGTATACCTTGCTACAATAGCAGACTCTAATCAAAT
ATGCAGTCTCTTACCAGCACCGCCACACAGACTATGCCAATGGTCTCGAGGGATGAGTCAGAGTG
GCCCTCCACCCCTCCCCGCTCTACAACATGCCTTCAGATGGAATGGTGGTGGGGCCCTCCTGCACC
ACACATGCAGAACCAGATGAACGCCAGATGCCTGGGCCCTAACCATATGCCAATGCAGGGACCTGGACCC
AGTCAGCTCAGCATGACAAACAGCTCCATGAATATGCCTTCAAGTAGCCATGGCTCCATGGGAGGTTACA
ACCATTCTGTGCCGTATCCCAGAGCATGCCCGTGCAGAACCAGATGACAATGAGTCAGGGGCAGCCAAT
GGGAAACTATGGTCCCAGACCAACATGAATATGCAACCAATCAAGGGCCGATGATGCACCAGCAGCCT
CCTTCTCAGCAGTACAATATGCCACCTGGAGGGGCACAGCATTACCAAGGACAGCAGGCGCCATGGGGC
TGATGGCCAAGTTAACCAAGGCAGTCACATGATGGGCCAGCAGATGCCTCCCTACAGACCTCCGCA
ACAGGGCCACCACAGCAGTACTCAGGCCAGGAAGACTATTATGGGGACCAATACAGTCTGGTGGACAA
GGTCCCTCAGAAGGCATGAACCAGCAATATTACCCTGATGGTCAATGATTACGGTTATCAGCAACCGT
CGTATCCTGAACAAGGCTACGATAGGCCTTATGAGGATTCTCACAACTTACTACGAAGGAGGAAACTC
CCAGTATGGCCAACAGCAAGACGCTTACCAGGGACCACCTCCACAGCAAGGATACCCACCCAGCAGCAG
CAGTACCCGGGACAGCAGGGATACCCAGGGCAGCAGCAGAGCTATGGTCTTCGACGGGCGGTCCAGGTC
CTCAGTATCCTAATTATCCTCAGGGTCAAGGTCAGCAGTATGGGGCTATAGACCAACACAGCCAGGACC
ACCCAGCCACCCAGCAGAGGCCTTATGGGTACGACCAGGGACAGTATGGAAATTACCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR218160 representing NM_009280
Red=Cloning site Green=Tags(s)

MSVAFAAPRQRGKEITPAAIQKMLDENNHLIQCIMDYQNKGKASECSQYQQILHTNLVYLATIADSNQN
 MQSLLPAPTQTMPMGGMSQSGPPPPRSHNMPSDGMVGGPPAPHMQNMNGQMPGPNHMPMQGPGP
 SQLSMTNSSMNMPSSSHGSMGGYNHSPSSQSMPVQNQMTMSQGPNGYGRPNMNMQPNQGPMMHQQP
 PSQQYNMPPGGAQHYQGQAPMGLMGQVNGGSHMMGQRQMPYRPPQGGPPQQYSQEDYYGDQYSHGGQ
 GPPEGMNQQYYPDGHNDYGYQQPSYPEQGYDRPYEDSSQHYYEGNSQYGGQQDAYQGPPQGGYPPQQQ
 QYPGQQGYPGQQSYGPSQGGPGQYPNYPQGGQGGYRPTQPGPPPPQRPYGYDQGGYGNYYQQ

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_009280

ORF Size: 1254 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_009280.2](#), [NP_033306.2](#)

RefSeq Size: 3110 bp

RefSeq ORF: 1257 bp

Locus ID: 268996

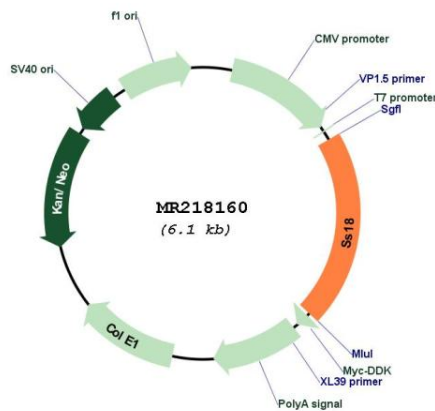
UniProt ID: [Q62280](#)

Cytogenetics: 18 A1

MW: 46.3 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 MR218160