

Product datasheet for RC215192

SS18 (NM_005637) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SS18 (NM_005637) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SS18
Synonyms:	SSXT; SYT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215192 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTCTGTGGCTTTCGCGGCCCGAGGCAGCGAGGCAAGGGGAGATCACTCCCGCTGCGATTGAGAAGA
TGTTGGATGACAATAACCATCTTATTAGTGTATAATGGACTCTCAGAATAAAGGAAAGACCTCAGAGTG
TTCTCAGTATCAGCAGATGTTGCACACAACTTGGTATACCTTGCTACAATAGCAGATTCTAATCAAAT
ATGCAGTCTCTTTACCAGCACCACCCACAGAAATATGCCTATGGTCTGGAGGGATGAATCAGAGCG
GCCCTCCCCACCTCCAGCTCTCACAACATGCCTTCAGATGGAATGGTAGGTGGGGTCTCCTGCACC
GCATGCAGAACCAGATGAACGCCAGATGCCTGGGCCAACCATATGCCTATGCAGGGACCTGGACCC
AATCAACTCAATATGACAAACAGTTCCATGAATATGCCTTCAAGTAGCCATGGATCCATGGAGGTTACA
ACCATTCTGTGCCATCATCACAGAGCATGCCAGTACAGAATCAGATGACAATGAGTCAGGGACAACCAAT
GGGAAACTATGGTCCCAGACCAATATGAGTATGCAGCCAAACCAAGGTCCAATGATGCATCAGCAGCCT
CCTTCTCAGCAATACAATATGCCACAGGGAGGCGGACAGCATTACCAAGGACAGCAGCCACCTATGGGAA
TGATGGTCAAGTTAACCAAGGCAATCATATGATGGGTGAGAGACAGATTCTCCTATAGACCTCCTCA
ACAGGGCCACCACAGCAGTACTCAGGCCAGGAAGACTATTACGGGGACCAATACAGTATGGTGGACAA
GGTCTCCAGAAGGCATGAACCAGCAATATTACCCTGATGGAAATTCACAGTATGGCCAACAGCAAGATG
CATACCAGGGACCACCTCCACAACAGGGATATCCACCCACAGCAGCAGTACCCAGGGCAGCAAGGTTA
CCCAGGACAGCAGCAGGGCTACGGTCTTACAGGGTGGTCCAGGTCTCAGTATCCTAACTACCCACAG
GGACAAGGTCAGCAGTATGGAGGATATAGACCAACACAGCCTGGACCACCACAGCCACCCACAGAGGC
CTTATGGATATGACCAGGGACAGTATGGAAATTACCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215192 protein sequence
Red=Cloning site Green=Tags(s)

```
MSVAFAAPRQRGKEITPAAIQKMLDDNNHLIQCIMDSQNKGKTSECSQYQQLHTNLVYLATIADSNQN
MQSLLPAPPTQNMMPGPGGMNQSGPPPPRSHNMPSDGMVGGGPPAPHMQNQMNQMPGPNHMPMQGPGP
NQLNMTNSSMNMPSSSHGSMGGYNHNSVPSQSMPVQNQMTMSQGPMPGNYPGRPNMSMQPNQGPMMHQQP
PSQQYNMPQGGGQHYQGQPPMGMGMQVNGNHHMMQRQIPPYRPPQGGPPQQYSGQEDYYGDQYSHGGQ
GPPEGMNQYYPDGNSQYGGQQDAYQGPPPPQQQYPPQQQYYPGQQQYGPQQQGYGSPSQGGPGPYPNYPQ
GQQQQYGGYRPTQPGPPQPPQRPYGYDQGGYGNYYQQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6670_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_005637

ORF Size: 1161 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_005637.3](#)

RefSeq Size: 3347 bp

RefSeq ORF: 1164 bp

Locus ID: 6760

UniProt ID: [Q15532](#)

Cytogenetics: 18q11.2

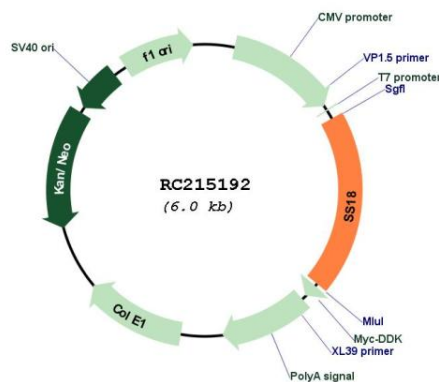
Domains: SSXT

Protein Families: Druggable Genome

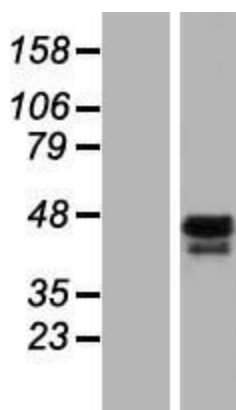
MW: 42.2 kDa

Gene Summary: Appears to function synergistically with RBM14 as a transcriptional coactivator. Isoform 1 and isoform 2 function in nuclear receptor coactivation. Isoform 1 and isoform 2 function in general transcriptional coactivation. 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 (PubMed:29374058).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215192



Western blot validation of overexpression lysate (Cat# [LY417168]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215192 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).