

Product datasheet for **SC121479**

SYT homolog 1 (SS18L1) (NM_198935) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT homolog 1 (SS18L1) (NM_198935) Human Untagged Clone
Tag:	Tag Free
Symbol:	SS18L1
Synonyms:	CREST; LP2261
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198935, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGTGGCCTTCGCGTCTGCCCGCCAAGAGGCAAAGGGGAGGTTACGCAGCAAACCATCCAGAAGA
TGCTGGACGAGAACCACCACCTGATCCAGTGCATCCTGGAGTACCAGAGCAAGGGCAAGACGGCCGAGTG
CACGCAGTACCAGCAGATCCTGCACCGAACCTGGTATACCTGGCCACGATCGCAGACTCCAACCAGAAC
ATGCAGTCCCTGCTTCTGCCCGCCCACGCAGAACATGAACCTGGGCCCTGGAGCCCTGACTCAGAGCG
GCTCCAGCCAGGGCCTGCACTCTCAGGGCAGCCTGAGTGACGCCATCAGCACGGGCTGCCACCCTCCTC
CCTCCTGCAGGGCCAGATTGGCAACGGGCCGAGCCACGTGTCCATGCAGCAGACGGCCCTAACACGCTG
CCCACCACCTCCATGAGCATCTCTGGGCCCGGCTACAGCCACGCGGGACCCGCTCGCAGGGCGTCCCCA
TGCAGGGGCAAGGCACCATCGGCAACTACGTGTCTCGGACCAACATCAACATGCAGTCCAACCCAGTCTC
CATGATGCAGCAGCAGGGCGCCACGTGCGACTACAGCTCGGCGCAGGGCGGCAGCCAGCACTACCAGGGC
CAGTCGTCCATCGCCATGATGGGGCAGGGCAGCCAGGGGAGCAGCATGATGGGGCAGCGGCCATGGCGC
CCTACCGGCCCTCCCAGCAAGGCTCTTCCCAGCAGTACCTGGGCCAGGAGGAGTACTATGGCGAGCAGTA
CAGCCACAGCCAGGGCGCCGCGGAGCCCATGGGCCAGCAGTACTACCCCGACGGCCATGGCGATTACGCC
TACCAGCAGTCATCCTACACGGAGCAGAGCTACGACCGGTCCTTCGAGGAGTCCACGCAGCACTACTATG
AGGGGGGAAACTCCCAGTACAGCCAGCAGCAGGCGGGTACCAGCAGGGTGCCGCGCAGCAGCAGCAGCTA
CTCCCAGCAGCAGTACCCAGCCAGCAGAGCTACCCCGGGCAGCAGCAGGGCTACGGGTCTGCCAGGGA
GCCCGTCAAGTACCCCGGCTACCAGCAAGGCCAAGGCCAGCAGTACGGAAGCTACCGAGCACCAGCAGA
CAGCGCCGTCTGCCAGCAGCAGCGGCCCTACGGCTATGAACAGGGCCAGTATGGAATTACCAGCAGTA
A
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_198935 unedited
 CCGCGTANATTTGATCGATCCTTAGGCGGCCGGATTTCGCCGAGCCCCTCGAGACCCGGGC
 TGAGCCCCGCGCCGCCACCATGTCCGTGGCCTTCGCGTCTGCCCGGCCAAGAGGCAAAGG
 GGAGGTTACGCAGCAAACCATCCAGAAGATGCTGGACGAGAACCACCACCTGATCCAGTG
 CATCCTGGAGTACCAGAGCAAGGCAAGACGGCCGAGTGCACGCAGTACCAGCAGATCCT
 GCACCGGAACCTGGTATACCTGGCCACGATCGCAGACTCCAACCAGAACATGCAGTCCCT
 GCTTCTGCCCGCCACGCAGAACATGAACCTGGGCCCTGGAGCCCTGACTCAGAGCGG
 CTCAGCCAGGGCCTGCACTCTCAGGGCAGCCTGAGTGACGCCATCAGCACGGGCCTGCC
 ACCCTCCTCCCTCCTGCAGGGCCAGATTGGCAACGGGCCGAGCCACGTGTCCATGCAGCA
 GACGGCGCCTAACACGCTGCCACCACCTCCATGAGCATCTCTGGGCCCGGCTACAGCCA
 CGCGGGACCCGCCTCGCAGGGCGTCCCCATGCAGGGGCAAGGCACCATCGGCAACTACGT
 GTCTCGGACCAACATCAACATGCAGTCCAACCCAGTCTCCATGATGCAGCAGCAGGCGGC
 CACGTGCACTACAGCTCGGCGCAGGGCGCAGCCAGCACTACCAGGGCCAGTGTCCAT
 CGCCATGATGGGGCAGGGCAGCCAGGGGAGCAGCATGATGGGGCAGCGGCCCATGGCGCC
 CTACCGGGCCTCCAGCAGGGCTCTTCCAGCAGTACCTGGGCCAGNAGGAGTACTATGG
 CGAGCAGTACAGCCACAGCCAGGGCGCCGCGGAGCCATGGGCCAGCAGTACTACCCGAC
 GGCATGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_198935 unedited
 TATTGGGGGATGGCACTTNCAGGGCCGNANGAGCACTGGGNGGGGTACAGGGATGC
 CACCCGGGATCTGTTCCAGAAACAGCTGTGGCCGCGGGCGCAATCTAGAGTCGAGTTTTT
 TT
 TTTTAAAGAGATTACCCCAAAGCCTAAACAATTTTTTCGTCAAACCTCGACTGGAAAAA
 AATAACCGGGGGGGGGTAAAAATGTTCTGGACTCACAATAACAAGACAAATTTGA
 CCTGGTCAATAAATAGAAATGAAGTGGTAAAAATGTTTAAATGGGAATGGGAAACAGTC
 GTCTTCTTTGGACAGTTTTGAAGGGGGGCCCTATTACGCCTACCCGGAGAAAAACCC
 TGGCAAAATCAAAGGGTCACTTAACACTCCCACCTATGAGCGTATTAAGGGTCTTTTT
 AGATCTTAGGGGATCTTGCCACCTTAATCCCATTCACAGATCTTAGGAAATCTGTCCC
 CCTAATCCCATCATAAAAACTGGTGGCATGGGTCTGAGGACTGGGTTAATATGCCGAG
 GACCGGTGGATTACCACCAAATTTAAGGGGGAGGAGCTTTTGGCTACCAATATGAAA
 TTTGGCAACCTTTCTGAAAACTGGGCCCTATTTTTAAATTTCCAATTTGGGTGGAGG
 TCAGGGGAACAAATGGGAAAAAAGGGGCGCCAATTTTAAGGGGTTCCCTTGGGTCT
 TCAGGGGGCCTCCCGAGAGGGGGCGGAAAAACAAGGCACCTTAACCCCTTTTAAAA
 AAATTTTTGGTGGCCTAACTTTGTTCCAATTTTTTTGGAGGAAGATATAATTATGGA
 AGGGACGGGGCGTTACTTTCCCAAGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_198935

Insert Size:

4000 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).

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_198935.1](#), [NP_945173.1](#)

RefSeq Size: 4566 bp

RefSeq ORF: 1191 bp

Locus ID: 26039

UniProt ID: [O75177](#)

Cytogenetics: 20q13.33

Gene Summary: This gene encodes a calcium-responsive transactivator which is an essential subunit of a neuron-specific chromatin-remodeling complex. The structure of this gene is similar to that of the SS18 gene. Mutations in this gene are involved in amyotrophic lateral sclerosis (ALS). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]
Transcript Variant: This variant (1) encodes the longer isoform (1).