

Product datasheet for **SC110355**

SYT homolog 1 (SS18L1) (NM_015558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT homolog 1 (SS18L1) (NM_015558) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT homolog 1
Synonyms:	calcium-responsive transactivator; CREST; CREST, LP2261, KIAA0693, MGC26711, MGC78386; KIAA0693; LP2261; MGC26711; MGC78386; OTTHUMP00000031468; SS18-like protein 1; synovial sarcoma translocation gene on chromosome 18-like 1; SYT homolog 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110355 sequence for NM_015558 edited (data generated by NextGen Sequencing)

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ATGTCCGTGGCCTTCGCGTCTGCCCCGCCAAGAGGCAAAGGGGAGGTTACGCAGCAAACC
ATCCAGAAGATGCTGGACGAGAACCACCACCTGATCCAGTGCATCCTGGAGTACCAGAGC
AAGGGCAAGACGGCCGAGTGCACGCAGTACCAGCAGATCCTGCACCGAACCTGGTATAC
CTGGCCACGATCGCAGACTCCAACCAGAACATGCAGTCCCTGCTTCTGCCCCGCCACG
CAGAACATGAACCTGGGCCCTGGAGCCCTGACTCAGAGCGGCTCCAGCCAGGGCCTGCAC
TCTCAGGGCAGCCTGAGTGACGCCATCAGCACGGGCTGCCACCTCCTCCCTCCTGCAG
GGCCAGATTGGCAACGGGCCGAGCCACGTGTCCATGCAGCAGACGGCCGCTAACACGCTG
CCCACCACCTCCATGAGCATCTCTGGGCCCGGCTACAGCCACGCGGGACCCGCTCGCAG
GGCGTCCCATGCAGGGGCAAGGCACCATCGGCAACTACGTGTCTCGGACCAACATCAAC
ATGCAGTCCAACCAGTCTCCATGATGCAGCAGCAGGGCGCCACGTGCGACTACAGCTCG
GCGCAGGGCGGCAGCCAGCACTACCAGGGCCAGTGTCCATCGCCATGATGGGGCAGGGC
AGCCAGGGGAGCAGCATGATGGGGCAGCGGCCATGGCGCCCTACCGGCCCTCCCAGCAA
GGCTCTTCCCAGCAGTACCTGGGCCAGGAGGAGTACTATGGCGAGCAGTACAGCCACAGC
CAGGGCGCCGCGAGCCATGGGCCAGCAGTACTACCCCGACGGCCATGGCGATTACGCC
TACCAGCAGTATCCTACACGGAGCAGAGCTACGACCGGTCTTCGAGGAGTCCACGCAG
CACTACTATGAGGGGGGAAACTCCCAGTACAGCCAGCAGCAGGCCGGGTACCAGCAGGGT
GCCGCGCAGCAGCAGACTACTCCCAGCAGCAGTACCCAGCCAGCAGAGCTACCCCGGG
CAGCAGCAGGGCTACGGGTCTGCCAGGGAGCCCCGTACAGTACCCCGGCTACCAGCAA
GGCCAAGGCCAGCAGTACGGAAGCTACCGAGCACCGCAGACAGCGCCGTGCCAGCAG
CAGCGGCCCTACGGCTATGAACAGGGCCAGTATGAAAATTACCAGCAGTAA

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Clone variation with respect to NM_015558.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015558 unedited NNCCTTTTCAGNATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGTATCCA CCTCGAGACCCGGGCTGAGCCCCGCGCCGCCACCATGTCCGTGGCCTTCGCGTCTGCCCC GCCAAGAGGCAAAGGGGAGGTTACGCAGCAAACCATCCAGAAGATGCTGGACGAGAACCA CCACCTGATCCAGTGCATCCTGGAGTACCAGAGCAAGGGCAAGACGGCCGAGTGCACGCA GTACCAGCAGATCCTGCACCGGAACCTGGTATACCTGGCCACGATCGCAGACTCCAACCA GAACATGCAGTCCCTGCTTCTGCCCCGCCACGAGAACATGAACCTGGGCCCTGGAGC CCTGACTCAGAGCGGCTCCAGCCAGGGCCTGCACTCTCAGGGCAGCCTGAGTGACGCCAT CAGCACGGGCTGCCACCTCCTCCCTCCTGCAGGGCCAGATTGGCAACGGGCCGAGCCA CGTGTCATGCAGCAGACGGCGCCTAACACGCTGCCACCACTCCATGAGCATCTCTGG GCCCGGTACAGCCACGCGGGACCCGCCTCGCAGGGCGTCCCCATGCAGGGGCAAGGCAC CATCGGCAACTACGTGTCTCGGACCAACATCAACATGCAGTCCAACCCAGTCTCCATGAT GCAGCAGCAGGGCCACGTGCACTACAGCTCGGCGCAGGGCGGCAGCCAGCACTACCA GGGCCAGTCGTCCATCGCCATGATGGGGCAGGGCAGCCAGGGGAGCAGCATGATGGGGCA GCGGCCATGGCGCCCTACCGGCCCTCCAGCAGGGCTTCCCAGCAGTACCTGGGCCA GNAGGAGTACTATGGCGAGCAGTACAGCCACAGCCAGGGCGGCCNAGCCCATGNNCCA GCAGTACTACA
Restriction Sites:	NotI-NotI
ACCN:	NM_015558
Insert Size:	5000 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:	<ol style="list-style-type: none"> 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_015558.3 , NP_056373.2
RefSeq Size:	3754 bp
RefSeq ORF:	1191 bp
Locus ID:	26039
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 (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.