

Product datasheet for **SC334921**

SYT homolog 1 (SS18L1) (NM_001301778) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT homolog 1 (SS18L1) (NM_001301778) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT homolog 1
Synonyms:	CREST; LP2261
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301778
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:	<u>NM_001301778.1, NP_001288707.1</u>
RefSeq Size:	4717 bp
RefSeq ORF:	798 bp
Locus ID:	26039



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UniProt ID: [Q75177](#)

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) has an additional exon in the 5' region and an alternate splice acceptor site, which results in translation initiation at a downstream AUG start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.