

Product datasheet for **RG237027**

SYT homolog 1 (SS18L1) (NM_001301778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT homolog 1 (SS18L1) (NM_001301778) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYT homolog 1
Synonyms:	CREST; LP2261
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237027 representing NM_001301778. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCAGACGGCGCCTAACACGCTGCCACCACCTCCATGAGCATCTCTGGGCCGGCTACAGCCAC
GCGGGACCCGCTCGCAGGGCGTCCCCATGCAGGGGCAAGGCACCATCGGCAACTACGTGTCTCGGACC
AACATCAACATGCAGTCCAACCCAGTCTCCATGATGCAGCAGCAGGGCGCCACGTGCACTACAGCTCG
GCGCAGGGCGGCAGCCAGCACTACCAGGGCCAGTCGTCCATCGCCATGATGGGGCAGGGCAGCCAGGGG
AGCAGCATGATGGGGCAGCGGCCATGGCGCCCTACCGGCCCTCCAGCAAGGCTCTTCCAGCAGTAC
CTGGGCCAGGAGGAGTACTATGGCGAGCAGTACAGCCACAGCCAGGGCGCCGCGGAGCCCATGGGCCAG
CAGTACTACCCCGACGGCCATGGCGATTACGCCTACCAGCAGTACCTACACGGAGCAGAGCTACGAC
CGGTCCTTCGAGGAGTCCACGCAGCACTACTATGAGGGGGGAAACTCCCAGTACAGCCAGCAGCAGGCC
GGTACCAGCAGGGTGCCGCGCAGCAGCAGACGTACTCCAGCAGCAGTACCCAGCCAGCAGAGCTAC
CCCGGGCAGCAGCAGGGCTACGGGTCTGCCAGGGAGCCCGTCACAGTACCCCGGCTACCAGCAAGGC
CAAGGCCAGCAGTACGGAAGCTACCGAGCACCGCAGACAGCGCCGTCTGCCAGCAGCAGCGGCCCTAC
GGCTATGAACAGGGCCAGTATGGAATTACCAGCAG
ACGGGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237027
 Blue=ORF Red=Cloning site Green=Tag(s)

MQQTAPNTLPTTSMSISGPGYSHAGPASQGVPMQGGTIGNYVSRNINMQSNPVSMMQQQAATSHYSS
AQGGSQHYQGQSSIAMMGQSSQGSMMGQRPMAPYRPSQQGSSQYLQEEYYGEQYSHSQGAAEPMGQ
QYYPDGHGDYAYQQSSYTEQSYDRSFEESTQHYEYEGNSQYSQQQAGYQQGAAQQQYTSQQQYPSQSY
PGQQQYGSQAQGAPSQYPGYQQGQGGQYGSYRAPQTAPSAQQQRPYGYEQGQYGNYYQQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001301778

ORF Size: 795 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).

RefSeq: [NM_001301778.2](#)

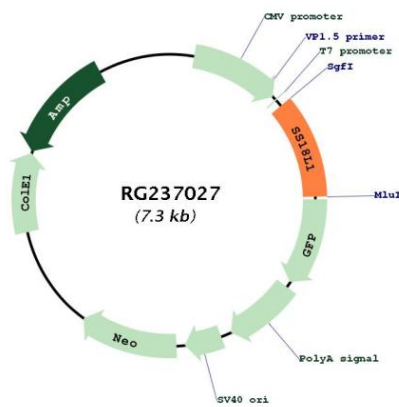
RefSeq Size: 4717 bp

RefSeq ORF: 798 bp

Locus ID: 26039
UniProt ID: [O75177](#)
Cytogenetics: 20q13.33
MW: 29.5 kDa

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]

Product images:



Circular map for RG237027