

Product datasheet for **SC114191**

SYT17 (NM_016524) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT17 (NM_016524) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT17
Synonyms:	Syt-17; sytXVII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016524, the custom clone sequence may differ by one or more nucleotides

ATGGCGTACATCCAGTTGGAACCATTAACGAGGGTTTTCTTTCTAGAATCTCTGGTCTGCTGCTGTGCA
GATGGACCTGCCGCACTGCTGTGAGAAGTGTACGAGTCCAGCTGTTGCCAGTCAAGTGAAGATGAAGT
TGAAATTCTGGGACCTTTCCCTGCTCAGACCCCTCCCTGGCTGATGGCCAGCCGAGCAGTGACAAGGAT
GGTGACTCTGTCCACACGGCCAGCGAAGTCCCGCTGACCCACGGACCAATTCCTCGGATGGAAGACGCT
CGTCTCAGACACATCCAAGTCTACATACAGCCTGACGCGGAGGATTTGAGTCTTGAGTCAAGACGTCC
CAGCTCTCCACTCATCGATATTAACCCATCGAGTTTGGCGTTCTCAGCGCCAAGAAGGAGCCCATCAA
CCTTCGGTGTCTCAGACGACCTATAACCCGACGACTATTTAGGAAGTTCGAACCCACCTGTACTCCC
TCGACTCCAACAGCGACGATGTGGACTCTCTGACAGACGAGGAGATCCTGTCCAAGTACCAGCTGGGCAT
GCTGCACTTCAGCACTCAGTACGACCTGCTGCACAACCACCTCACCGTGCCTGATCGAGGCCAGGGAC
CTGCCACCTCCCATCTCCACGATGGCTCGCGCCAGGACATGGCGCACTCCAACCCCTACGTCAAGATCT
GTCTCTGCCAGACAGAGAAGAACTCAAAGCAGACCGGGGTCAAACGCAAGACCCAGAAGCCCGTGTGGA
GGAGCGCTACACCTTCGAGATCCCCTTCTGGAGGCCAGAGGAGGACCTGCTCCTGACCGTGGTGGAT
TTTGATAAGTTCTCCCGCACTGTGTATTGGGAAAGTTTCTGTGCCTTTGTGTGAAGTTGACCTGGTCA
AGGGCGGGCACTGGTGAAGGCGCTGATTCCCAGTTCTCAGAATGAAGTGGAGCTGGGGGAGCTGCTTCT
GTCAGTGAATTATCTCCAAGTGTGGCAGACTGAATGTTGATGTCATTGAGCCAAGCAACTTCTTCAG
ACAGATGTGAGCCAAGTTTCAGACCCCTTTGTGAAAATCCAGCTGGTGCATGGACTCAAACCTTGTGAAAA
CCAAGAAGACGTCTTCTTAAGGGGCACAATTGATCCTTTCTACAATGAATCCTTCAGCTTCAAAGTTCC
CCAAGAAGAACTGAAAAATGCCAGCCTAGTGTTCACAGTTTTCGGCCACAACATGAAGAGCAGCAATGAC
TTCATCGGGAGGATCGTATTGGCCAGTACTCTTCAGGCCCTCTGAGACCAACCACTGGAGGCGCATGC
TCAACACGCACCCGACAGCCGTGGAGCAGTGGCATAGCCTGAGGTCCCGAGCTGAGTGTGACCGCGTGC
TCCTGCCTCCCTGGAGGTGACCTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016524 unedited
 NNAAAGCCGTACAATAATTTGTAACGACTCACTATAGGCGGCCGCGATTCCGGCAGGAGG
 GTTAGCTAATCATGTCTTTTGGGTTGGCTACATGGCTATTTCTGTATAGGAAGGTTTGC
 TCTTCTCTGAAGTGTGGCTGCATTGGATAGCATGACTATCTATCCGCCCGCTCTGATTCT
 ATAACAGCATACGGTGCAAAATCAAATCGAAATGCTAAAGTTTCCCATTTATTTGGTGTG
 GTTAACAGGAGGCTACCAGCAGCCCTGAAAATAGCAACACCTTGTTAGGATGTTAGGAA
 GTCAGCTCCCTTCCCAGGATGTTGGAACCATTAACGAGGGTTTTCTTTCTAGAATCTCT
 GGTCTGCTGCTGTGCAGATGGACCTGCCGCACTGCTGTGAGAAGTGTACGAGTCCAGC
 TGTGCCAGTCAAGTGAGGATGAAGTTGAAATTCTGGGACCTTTCCCTGCTCAGACCCCT
 CCCTGGCTGATGGCCAGCCGAGCAGTGACAAGGATGGTACTCTGTCCACACGGCCAGC
 GAAGTCCCGCTGACCCACGGACCAATTCCCGGATGGAAGACGCTCGTCTCAGACACA
 TCCAAGTCTACATACAGCCTGACGCGGAGGATTTGAGTCTTGAGTCAAGACGTCCCAGC
 TCTCCACTCATCGATATTAACCCANTCGAGTTTGGCGTTCTCAGCGCCAAGAAGGAGCC
 CATCCAACCTTCGGTGTCTCAGACGGACCTATAACCCGACGACTATTTCAAGGAAGTTCTG
 AACCCACCTGTACTCCCTCGACTCCAACAGCGACGATGTGGACTCTCTGACAGACGAGG
 AGATCCTGTCCAAGTACCAGCTGGGCATGCTGCACTTCAGCACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016524 unedited
 TATGGACCGCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAACAAATGAA
 AGCTGCCTTCCCTGCAGCCCTCAGGTACCTCCAGGGAGGCAGGAGACACGGGTACAC
 TCAGCTCGGGACCTCAGGCTATGCCACTGCTCCACGGCTGTGCGGTGCGTGTGAGCATG
 CGCTCCAGTGGTGGTCTCAGAGGGGCTGAAGAGTACTGGCCAATGACGATCTCCCCG
 ATGAAGTCATTGCTGCTTTCATGTTGTGGCCGAAAAGTAAACACTAGGCTGGCATT
 TCCAGTTCTTCTGGGGAAGTTTGAAGCTGAAGGATTCATTGTAGAAAGGATCAATTGTG
 CCCCTTAAGAAGGACGTCTTCTTGGTTTTTCAAGTTTGAAGTCCATGCACAGCTGGATT
 TTCACAAAGGGTCTGAACCTTGGCTCACATCTGTCTGAAGAAGTTGCTTGGCTCGAATG
 ACATCAACATTAGTCTGCCAGCACTTGGGAGATAATTCAGTGACAGAAGCAGCTCCCCC
 AGCTCCACTTCATTCTGAGAAGTGGGAATCAGCGCCTTCCACAGTGCCCGCCCTTGACC
 AGGTCAACTTCACACAAAGGCACAGAACTTTCCCAATGACACAGTGGCGGGAGAACTTA
 TCAAAATCCACCACGGTCAGGAGCAGGGTCTCCTCTGGGCTNCAGAAAGGGATCTCGA
 AGGTGTANCGCTCCTCAACACGGGCTTCTGGGTCTGCGTTTGACCCCGTCTGTTTGAGTC
 TTCTGTCTGGCAGAGACAATCTGACTTAGGTTTGAATGCCCATTCCTGCGCGAGCATCT
 GGAAATGGGAGGGCAGTCCCTGCCTCTATCGCCCGTGAGGGGTGCCCAAGTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_016524

Insert Size:

1820 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_016524.2](#), [NP_057608.2](#)

RefSeq Size: 1912 bp

RefSeq ORF: 1425 bp

Locus ID: 51760

UniProt ID: [Q9BSW7](#)

Cytogenetics: 16p12.3

Domains: C2

Gene Summary: Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.