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Product datasheet for SC100473

SYT13 (NM_020826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT13 (NM_020826) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT13
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020826, the custom clone sequence may differ by one or more nucleotides

ATGGTGCTGTCGGTGCCTGTGATCGCGCTGGGCGCCACGCTGGGCACAGCCACCAGCATCCTCGCGTTGT
GCGGGGTCACCTGCCTGTGTCGGCACATGCACCCCAAGAAGGGGCTGCTGCCGCGGGACCAGGACCCCGA
CCTGGAGAAGGCGAAGCCCAGCTTGCTCGGGTCTGCACAACAGTTCAATGTTAAAAAGTCCACGGAACCT
GTTCAGCCCCGTGCCCTCCTCAAGTTCCCAGACATCTATGGACCCAGGCCAGCTGTGACGGCTCCAGAGG
TCATCAACTATGCAGACTATTCACTGAGGTCTACGGAGGAGCCCACTGCACCTGCCAGCCCCCAACCCCC
GAATGACAGTCGCCTCAAGAGGCAGGTCACAGAGGAGCTGTTCATCCTCCCTCAGAATGGTGTGGTGGAG
GATGTCTGTGTCATGGAGACCTGGAACCCAGAGAAGGCTGCCAGTTGGAACCAGGCCCCCAAACTCCACT
ACTGCCTGGACTATGACTGTCAGAAGGCAGAATTGTTTGTGACTCGCCTGGAAGCTGTGACCAGCAACCA
CGACGGAGGCTGTGACTGCTACGTCCAAGGGAGTGTGGCCAATAGGACCGGCTCTGTGGAGGCTCAGACA
GCCCTAAAGAAGCGGCAGCTGCACACCACCTGGGAGGAGGGCCTGGTGCTCCCCCTGGCGGAGGAGGAGC
TCCCCACAGCCACCCTGACGCTGACCTTGAGGACCTGCGACCGCTTCTCCCGTCACAGCGTGGCCGGGGA
GCTCCGCCTGGGCCTGGACGGGACATCTGTGCCTCTAGGGGCTGCCCAGTGGGGCGAGCTGAAGACTTCA
GCGAAGGAGCCATCTGCAGGAGCTGGAGAGGTCCTACTATCCATCAGCTACCTCCCGGCTGCCAACCGCC
TCCTGGTGGTGCTGATTAAAGCCAAGAACCTCCACTCTAACCAGTCCAAGGAGCTCCTGGGGAAGGATGT
CTCTGTCAAGGTGACCTTGAAGCACCAGGCTCGGAAGCTGAAGAAGAAGCAGACTAAACGAGCTAAGCAC
AAGATCAACCCCGTGTGGAACGAGATGATCATGTTTGAGCTGCCTGACGACCTGCTGCAGGCCTCCAGTG
TGGAGCTGGAAGTGCTGGGCCAGGACGATTCAGGGCAGAGCTGTGCGCTTGGCCACTGCAGCCTGGGCCT
GCACACCTCGGGCTCTGAGCGCAGCCACTGGGAGGAGATGCTCAAAAACCCTCGCCGGCAGATTGCCATG
TGGCACCAGCTGCACCTGTAA

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020826 unedited
GGGTGCAAATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCTCT
GGCGGCGGGAGAGCTGCTGGCTCGCCCGGATCCCGGGAGCTGCCTGGAGGCGGGCCCGGC
CCGGGGAAGGTGAGCGGCTGCGGGACCCAGCCCCTCGCCGGGAGCGGGCACCATGGTGCT
GTCGGTGCCTGTGATCGCGCTGGGCGCCACGCTGGGCACAGCCACCAGCATCCTCGCGTT
GTGCGGGGTCACCTGCCTGTGTCGGCACATGCACCCCAAGAAGGGGCTGCTGCCGCGGGA
CCAGGACCCCGACCTGGAGAAGGCGAAGCCCAGCTTGCTCGGGTCTGCACAACAGTTCAA
TGTTAAAAAGTCCACGGAACCTGTTCAGCCCCGTGCCCTCCTCAAGTTCCCAGACATCTA
TGGACCCAGGCCAGCTGTGACGGCTCCAGAGGTCATCAACTATGCAGACTATTCACTGAG
GTCTACGGAGGAGCCCACTGCACCTGCCAGCCCCCAACCCCCGAATGACAGTCGCCTCAA
GAGGCAGGTCACAGAGGAGCTGTTCATCCTCCCTCAGAATGGTGTGGTGGAGGATGTCTG
TGTCATGGAGACCTGGAACCCAGAGAAGGCTGCCAGTTGGAACCAGGCCCCCAAACTCCA
CTACTGCCTGGACTATGACTGTCAGAAGGCAGAATTGTTTGTGACTCGCCTGGAAGCTGT
GACCAGCAACCACGANCGGAGCTGTGACTGCTACGTCCAAGGGAGTGTGGCCAATATGAC
CGGCTCTGTGNGAGCTCANACAGCCCTAAAGAAGCGCAGCTGCACACCACCTGNGAGGGA
GGCCTGGTGCTCCCCTGCNNNGAGAGAGCTCCCACAGNCACCCTGAGCTGACTTTGAGAC
TGCGACGCTTTCCGTNACAGGTGGCCGGGAGCTCGCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020826 unedited
NNNNNAAAGGTNTCACTATGNNACCGCGGCCGCAANCTAGNGATCGATTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCCGGGGGGAAATT
TTTTATTTACCACTGCAAGGTTTTTGCTCCAAAGGGTCCCCCCAAACATATGACTACAAT
GTCTCATGCATTTTTTTGGGCTTTAATTCATGACTGCAAAACACACCCTTAGCATTTGAC
AACCGGAAACACAGAGGGCAAAAACAAATCACAAGGACTATTTGGTTTAGGTTACACCCC
CTTTTTACCCAGGACTCCTTTACATCCAAAAAAAATGGACCCTGAATAACTGGTCCCCTA
ACTGATTCTCTGGGCCCAGTTTTGTTTGGAGGGATTTGTCATTCACCCCACACAAAAAGT
TGTTTCTCAAATCAAAATGGACAGACATTTGCAAGGGCTTAATCAAAAAGTGCTCAACAA
ATAAATATTGATTTGATGCAAAAGGGGGAGTCACAAATTAATGAGGGCAAACTCCCGATT
TTTTATCCCCGTAAAAATCTCTGAAAAAAAAACCAAATCACCTTTTTGAGCAACAGGGCA
TTCTGAAAGGGCCCCTCACCTTATTTTTACCCCTACCCCACACCCTTTTTAAAAATGCTC
ACTGGCATCACACAAGGGGTTCCTTTCAAAAATGATGAAATACTTCACACAGGCTCAGTT
ACTATAATTTGATAGAAAATTGGAAATGTTTCTGGTACAAGGTAAGCTGATGCAAAAACT
ACTGAAATATTTTTATTTGGCAGTTTGACATCTCTGGATAATTTAAAAATCACCTAGATG
GAGTTTTAGTGGGAAAAGCAAACCATT

Restriction Sites: NotI-NotI

ACCN: NM_020826

Insert Size: 4700 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_020826.1, NP_065877.1
RefSeq Size:	5108 bp
RefSeq ORF:	1281 bp
Locus ID:	57586
UniProt ID:	Q7L8C5
Cytogenetics:	11p11.2
Domains:	C2
Protein Families:	Transmembrane

Gene Summary: This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tandem C2 domains (C2A and C2B). Synaptotogmin family members can form homo- and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.