

Product datasheet for **SC328690**

SYT12 (NM_001177880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT12 (NM_001177880) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT12
Synonyms:	SYT11; sytXII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001177880, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTGGATGTGGCAGAATACCATCTGAGCGTCATCAAGAGCCCCCTGGCTGGGAG
GTGGGTGTCTATGCTGCAGGGGCCCTGGCCCTGCTGGGAATCGCAGCTGTGAGCCTGTGG
AAGCTCTGGACGTCGGGAGCTTCCCCAGCCCCTCTCCGTTCCCCAATTACGACTACAGG
TACCTTCAGCAGAAGTACGGCGAGAGCTGCGCAGAGGCCAGGGAGAAGAGAGTGCCTGCC
TGGAAATGCCAGCGGGCCAGCACGCGGGGACCACCCAGCCGAAAGGCAGTCTCAGCATT
GAGGACACCTTTGAGAGCATCAGTGAAC TGGGCTCTGGAGCTGATGGGCCGGGAGTTG
GACCTGGCCCCCTATGGGACCCTCCGGAAGTCCCAGTCGGCCGACTCCCTGAACTCCATC
TCCTCCGTGAGCAACACCTTTGGGCAGGACTTCACACTGGGCCAGGTGGAGGTGAGCATG
GAGTACGACACTGCCTCCACACGCTGAACGTGGCGGTGATGCAGGGCAAGGACCTCCTG
GAGCGGGAGGAGGCCAGCTTCGAGTCTGCTTCATGCGCGTCAGCCTGCTGCCGGACGAG
CAGATCGTGGGCAATTTCTCGGATCCAGAGAAATGCCTACTCCATCTTCTTTGATGAGAAG
TTCTCCATCCCCCTGGATCCCACAGCCCCTGGAGGAGAAGAGCCTGCGGTTTTCTGTATTT
GGCATCGATGAGGATGAGCGCAACGTCAGCACGGGGGTGGTGGAGCTGAAGCTTTCTGTG
CTTGACCTCCCGCTGCAGCCCTTCAGTGGCTGGCTCTATTTACAGGACCAGAACAAGGCC
GCCGATGCTGTGGGGGAGATCCTGCTCTCCCTCAGTACCTCCCCACAGCCGAGCGCCTC
ACCGTGGTCGTGGTTAAGGCCAAGAACCTCATCTGGACCAACGACAAGACCACAGCGGAC
CCCTTCGTCAAGGTGTACCTGCTGCAGGATGGGAGGAAGATGAGCAAAAAGAAGACAGCC
GTGAAGAGGGATGACCCCAACCCGGTGTCAACGAAGCCATGATCTTCTCGGTGCCAGCC
ATTGTGCTCCAGGACCTGTCTCTCCGCTGACGTTGGCTGAGAGCAGCAGCGACGGCCGT
GGGGACAACGTGGGCCATGTCATCATTGGGCCGTGAGCCAGTGGCATGGGAACCACACAT
TGGAAACCAGATGTTGGCCACGCTGCGCAGGCCCGTGTCCATGTGGCACGCTGTCCGGCGA
AACTAG

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Restriction Sites: Please inquire



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ACCN:	NM_001177880
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001177880.1</u> , <u>NP_001171351.1</u>
RefSeq Size:	3632 bp
RefSeq ORF:	1266 bp
Locus ID:	91683
UniProt ID:	<u>Q8IV01</u>
Cytogenetics:	11q13.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. Studies of the orthologous gene in rat have shown that the encoded protein selectively modulates spontaneous synaptic-vesicle exocytosis and may also be involved in regulating calcium independent secretion in nonneuronal cells. Alternative splicing results in multiple transcript variants. The gene has previously been referred to as synaptotagmin XI but has been renamed synaptotagmin XII to be standard with mouse and rat official nomenclature.[provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>