

## Product datasheet for **SC122487**

### **SYT9 (BC029605) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SYT9 (BC029605) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYT9
Synonyms:	FLJ45896; synaptotagmin IX
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

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>OriGene sequence for BC029605 edited
GCAGTCCCTGAGCTTTGTCAACATGATCCTCCTGCCTGAGACTTCAATTTGGGAAAGAATG
ATATGAAGAAGCCAGTAATGCAGAGAACAATGCCTGGCGAAGGTGGTGGAGGGAGATTTA
GCTTTCAAAGGAGGCAGAGATATCTCAGTGAGCCTGCTGACCCTTGTGGTCACTGCCTGT
GGTCTCGCTCTCTTTGGCGTGTCTCTCTCGTATCTTGGAAACTCTGCTGGGTCCGTGG
CGAGAACGAGGCCTGCCCTCTGGTAGCAAAGACAACAACCAGGAGCCCTTAACTACATG
GACACAGAGACCAATGAGCAGGAGAACAGTGAGGACTTCTAGACCCTCCACGCCCTGC
CCTGACTCCTCCATGAAGATCAGCCACACCTCCCCTGACATTCCCCTCTCCACCCAGACG
GGGATCCAGGAGAACTGTGCCCATGGCGTCCGCGTGCAGCGCAAGTACACAGAGCCAACC
TCGTGGCCCGGCATAATTCAATCCGAAGACAACACTCAACTTGTCAAACCCGGACTTCAAT
ATCCAGCAGCTTCAAAAACAGGAACAGTTGACTGGAATTGGTAGAATTAACCAGAGTTA
TATAAGCAGAGGTCATTGGATAATGATGACGGGAGACGGAGTAACAGCAAGGCTTGTGGG
AAACTGAACCTTCAATTTAAAATATGACTGTGACTTAGAGCAGCTCATAGTGAAGATTCAC
AAAGCTGTCAATTTGCCGCCAAGGACTTTTCTGGGACTTCAGATCCTTATGTCAAGATC
TATTTGCTTCTGATCGGAAAACAAAACACCAGACTAAAGTTCACAGAAAAGACCCTGAAC
CCTGTGTTTGATGAAGTGTTTTTATTTCCGGTTCCTACAATGACCTTGAAGCACGGAAG
CTTCACTTCTCTGTGTACGACTTTGACAGGTTCTCTCGTCATGACTTAATCGGCCAAGTG
GTGGTGGATCACTTCTAGACTTGGCTGATTTCCCAGGGAGTGCATCCTTTGGAAGGAT
ATCGAATATGTCACCAATATTCTTAGGTAGCCCCAAGAGACAGCAGGTGTTATCTGTCC
TCCGTACCACATTTTCTTAGAGCTTTTTCAGGTTGTTTGTGCTGAATGGAACCTGGCAT
TCTATTAAGTGTAGTCTGCAGCTAAGAGACCATTACCTGACTCTGACAGCAGACAACGTG
GATCTGGGAGAGCTGATGTTTTCCCTGTGCTATCTTCCAACGGCTGGCAGGCTGACCATT
ACCATTATAAAAGCAAGGAATTTAAAGGCAATGGACATAACAGGAGCATCAGATCCCTAT
GTGAAAGTCTCGCTGATGTGTGATGGCAGACGACTGAAGAAGAGGAAAACATCCACCAAG
AGGAACACCTTGAATCCTGTTTACAACGAAGCCATAGTCTTTGATGTCCCTCCCAGAAC
ATTGACCAAAATCCACTTGTCCATAGCAGTCATGGACTATGACCGTGTAGGTACAAATGAG
ATCATCGGCGTGTGTCAAGTAGGCAACGAGGCTGAGAGGCTGGGCAGAGACCACTGGAGT
GAAATGTTGTATATCCTCGGAAGCCCATTGCACACTGGCATTCCCTGGTGGAGGTCTCT
TGGTGGCCAGGTTTTCTCTGCATACTTGTGCTGACTCTCTGGTGTCCCTGGAAGCAGCTCTG
CCCTCTTCCAACCTGGCTCAGCCTTGAAGGGCCCTTTTTTTCACATTGGTGCAGGGGAG
GAAGAAGGTTTTCCAGCTGCAAGGAGAGAGCAGCGTGCAGTGACAGTGAGGCACCAGGAT
GTAGAACAATGCTGCCAGAACATATTCCCTGAGGTTTGGGAATGAACTTCTTCAAGGGCT
GTGCTCCCTTTTTGATGGGCTCCTAGTGGGCTCTGTGCTGGTCTGACCGACTTTTCTTC
AATGATCCAGTGGAGGCTGCAATGTATTTTGTCTAAAACACTACAGCTGGTTTATAATTTTG
GCCTCAGACAGTAATTACAGCTGCTGGGCTCCTTGGAGAGATAATTACGGAAAGAATTC
AGCATATTCATTTTATCTACACACTTAACCATCAATTAATCATTACCATCTAAAAAAA
AAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC029605 unedited NGGGGCAGTTCNCATTTGTATACGACTCACTATAGGCGGCCGCATAAATTTCGTATAGCAT ACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGG CAGTCCTGAGCTTTGTCAACATGATCCTCCTGCCTGAGACTTCAATTTGGGAAAGAATGA TATGAAGAAGCCAGTAATGCAGAGAACAATGCTGGCGAAGGTGGTGGAGGGAGATTTAG CTTTCAAAGGAGGCAGAGATATCTCAGTGAGCCTGCTGACCCTTGTGGTCACTGCCTGTG GTCTCGTCTCTTTGGCGTGTCTCTCTTGTATCTTGGAAACTCTGCTGGGTTCCGTGGC GAGAACGAGGCCCTGCCCTCTGGTAGCAAAGACAACAACCAGGAGCCCTTAACTACATGG ACACAGAGACCAATGAGCAGGAGAACAGTGAGGACTTCCCTAGACCCTCCCACGCCCTGCC CTGACTCCTCCATGAAGATCAGCCACACCTCCCCTGACATTCCCCTCTCCACCCAGACGG GGATCCAGGAGAACTGTGCCATGGCGTCCGCGTGCAGCGCCAAGTACAGAGCCAACCT CGTCGGCCCGGCATAATTCAATCCGAAGACAACCTCAACTTGTCAAACCCGGACTTCAATA TCCAGCAGCTTCAAAAACAGGAACAGTTGACTGGAATTGGTAGAATTAACCAGAGTTAT ATAAGCAGAGGTCATTGGATAATGATGACGGGAGACGGAGTAACAGCAAGGCTTGTGGGA AACTGAACCTTCAATTTAAATATGACTGTGACTTANAGCAGCTCATAGTGAAGATTACACA AAGCTGTCAATTTGCCCGCCAAGNACTTCTGGGACTTCAGTCCNTNTG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC029605
<b>Insert Size:</b>	2108 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC029605.1</a> , <a href="#">AAH29605.1</a>
<b>RefSeq Size:</b>	2108 bp
<b>Locus ID:</b>	143425
<b>Cytogenetics:</b>	11p15.4
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Gene Summary:</b>	May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.[UniProtKB/Swiss-Prot Function]