

## Product datasheet for MC209996

### Syt8 (NM\_018802) Mouse Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Syt8 (NM_018802) Mouse Untagged Clone                                           |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Syt8                                                                            |
| Synonyms:                 | MGC124104; MGC124105                                                            |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >MC209996 representing NM_018802<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAAGATGGGGCAGCCTTAACCCCTTCAGCACCTCTGCCCCACTTGATGCCACAGCTGGGCCAGTC  
 TCATCCCAGACCTCATCACCAGGATCCCCTCCTGTGCCCTGGCCTAGGGCCTCGCTGGACCCTCTTTAT  
 CGCCATCCTTGCTGCTGGAGTCTCTTAGTCTCCTGTTTGCTCTGTGCATCTGTTGCTATTGCCACCGC  
 CATCGCCACAGGAAGCAACCCAAGGATAAAGAACTGTGGCCTGGGCAGTGCCCGTAATAGCACCATA  
 CTCACCTGGTTCAACCAGATGTGGACTGCCTAGAACCCTGCTCTGGAGGGGACCAACAGTGGGGTCGACT  
 CCTGCTGTCACTAGAGTATGATTTTGAAGCCAGGAGATTAGAGTGGGCCTGAGGCAGGCTGGAAACCTG  
 AAGGCTGAGGGCAGCAGACCCCTACGCCTGGGTCAAGTGTCCACCCAGTCTGGGAGAAGACATGAGA  
 CAAAGGTGCACCGAGGGACGCTCTCTCCCATGTTTGAAGAGACATGCTGCTTTCTGGTCCCACCAGCAGA  
 GCTGCCCAAAGCCACTCTGAAGGTGCAGCTGTGGGACTTCAAGCGGTTTTTCAGAACACGAGCCACTGGGT  
 GAGCTCCAATACCCCTGGGCACCGTGGACCTTCAACATGTCTGGAGAGCTGGTACCAGCTAGGCCCTC  
 CAGGGACCACTGAGCCTGAGCAGATGGGGAGCTGTGCTTCTCACTACGCTACGTGCCAGCTCAGGCAG  
 CCTGACTGTGGTTGTACTGGAGGCTCGGGGTCTGAATCCGGGGCTTGCAGAGGCCTACGTGAAGATCCAG  
 CTTATGTTAAACAGAGAAAAATGGAAGAAGAGCAAAACATCCTCAAGAAAGGCAGCACTACCCCTACT  
 TCAACGAGGCCTTCGTCTTCTGGTTCCTGTTAGCCAGCTCCAGAGTGTGGACCTGGTGTGCTGTCTG  
 GGCCCGTGGTCTGCAGCTCCGACTGAGCCTGTGGGCAAGTGTGCTGGGTTCCCGGGCTTCTGGCCAA  
 CCCCTACAGCACTGGGCAGACATGCTGGCCCATGCTCGGCGGCCATCGCCAGTGGCACCACCTGCGGT  
 CCCCCAGGAAGTGGATCGTGTCTGGCCCTGCAGCCTCGCCTTCCCCTGCTTAGGCCTCGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>                  | NM_018802                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>           | 1188 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_018802.5, NP_061272.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 1503 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1188 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 55925                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q9R0N6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 7 F5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | <p>Involved in the trafficking and exocytosis of secretory vesicles in non-neuronal tissues. Mediates Ca(2+)-regulation of exocytosis acrosomal reaction in sperm. May mediate Ca(2+)-regulation of exocytosis in insulin secreted cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).</p>                                                                                                                          |