

Product datasheet for **MC218318**

Syt6 (BC065065) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt6 (BC065065) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syt6
Synonyms:	3110037A08Rik; AW048930; sytVI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC065065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTGCCTGGGCTTCTGGAGGCAGCTGT
GAAGATCAGCCACACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
CACACAAAGCTGCAGCGACAGACCAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGGTGCCGCCGAGCAGCC
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
GAGGCCGCAAGAGCTGTGGGAAGATCAACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
TGCGCATCCTGAAGGCCCTTACCTCCCTGCCAAGGACTTTTGCAGGAAAGTCTGACCCCTTATGTTAAGAT
CTACCTCCTGCCTGACCGCAAGTGCAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTT
GATGAGAACTTCCACTTCCCCTGCCCACGAGGAGCTGGTGACCGCAAGCTGCATCTCAGTGTCTTTG
ACTTTGACCGCTTCTCCCGCCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCCTGTA
CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAGTGTGGACTTGGGAGAG
ATCATGTTCTCCCTCTGCTACCTGCCACAGCAGGAGGCTCACCTCACAGTATCAAGTGTGCGAAATC
TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG
GCTGAAAAAGAAGAAAACGACCAATAAAAAAGAACACCCTAAACCCATCTACAACGAGGCCATCATCTTT
GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGTCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA
GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAA
GAGGGGACCCCTCGTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	BC065065
Insert Size:	1281 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:	<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:	BC065065 , AAH65065
RefSeq Size:	4393 bp
RefSeq ORF:	1280 bp
Locus ID:	54524
Cytogenetics:	3 F2.2
Gene Summary:	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 (By similarity). May mediate Ca(2+)-regulation of exocytosis in acrosomal reaction in sperm (PubMed:15774481).[UniProtKB/Swiss-Prot Function]