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Product datasheet for MC227631

Syt6 (NM_001276677) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt6 (NM_001276677) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syt6
Synonyms:	3110037A08Rik; AW048930; sytVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC227631 representing NM_001276677
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTGGAGGAAGAAAGAGGCCTCCAGCCCTTCTTCTGCTAACCCTGCTTCAGAGACTCTCCAGAGCC
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCCAGTGCCCTGGGCTTCCTGGAGGCAGCTGT
GAAGATCAGCCACACTTCCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
CACACAAAGCTGCAGCGACAGACCACAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCC
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
GAGGCCGCCAAGAGCTGTGGGAAGATCAACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
TGCGCATCCTGAAGGCCTTTGACCTCCCTGCCAAGGACTTTTGCGGAAGTTCTGACCCTTATGTTAAGAT
CTACCTCCTGCCTGACCGCAAGTGCAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCCACCTTT
GATGAGAACTTCCACTTCCCCGTGCCCTACGAGGAGCTGGCTGACCGCAAGCTGCATCTCAGTGTCTTTG
ACTTTGACCGCTTCTCCCGCCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCTCTGA
CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTGAAAGTGTGGACTTGGGAGAG
ATCATGTTCTCCCTCTGCTACCTGCCCACAGCAGGCAGGCTCACCCTCACAGTGATCAAGTGTCGAAATC
TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAGTATCCCTACTGTGTGATGGACGGAG
GCTGAAAAAGAAGAAAACGACCATAAAAAAGAACACCCTAAACCCCATCTACAACGAGGCCATCATCTTT
GACATCCCCCCAGAAAACATGGACCAAGTGAGCCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGATCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA
GATGTTGGCGTACCCACGAAAGCCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAAGAAATCCTTCAAA
GAGGGGACCCCTCGGTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001276677

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).

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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_001276677.1, NP_001263606.1
RefSeq Size:	1665 bp
RefSeq ORF:	1281 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]

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