

Product datasheet for MR229363

Syt6 (NM_001276680) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syt6 (NM_001276680) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Syt6
Synonyms: 3110037A08Rik; AW048930; sytVI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229363 representing NM_001276680
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC
 CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTGCCTGGGCTTCTGGAGGCAGCTGT
 GAAGATCAGCCACACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
 CACACAAAGCTGCAGCGACAGACCACAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
 TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCGCCGGCTGCCGCCGAGCAGCC
 CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
 GAGGCCGCCAAGAGCTGTGGGAAGATCACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
 TGCGCATCCTGAAGGCCCTTGACCTCCCTGCCAAGGACTTTTGCAGGAAAGTCTGACCCCTTATGTTAAGAT
 CTACCTCCTGCCTGACCGCAAGTGAAGCTGCAGACCCGGGTGCACCGCAAGACCCTGAACCCACCTTT
 GATGAGAACTTCCAATCCCCTGCCCTACGAGGAGCTGGTGACCGCAAGCTGCATCTCAGTGTCTTTG
 ACTTTGACCGCTTCTCCCGCCATGACATGATTGGGGAGGTCATCCTGGACAATCTCTTTGAGGCCCTGA
 CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAGTGTGGACTTGGGAGAG
 ATCATGTTCTCCCTCTGCTACCTGCCACAGCAGGCAGGCTCACCTCACAGTATCAAGTGTCCGAATC
 TCAAAGCAATGGACATCACAGGCTACTCAGAAAAATCCCAAGGCCACAGAAGGATCCAAGTTCAGGATAC
 TCATCCGCTGTGGAGACTGCAGGCAATGAAAAGTCTGGTCTCTAC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229363 representing NM_001276680
Red=Cloning site Green=Tags(s)

MPWRKKEASSPSSANPASETLPSPSSRGNMADKLDKPSALGFLEAAVKISHTSPDIPAEVQMSVKEHIMR
 HTKLQRQTTEPASSTRHTSFKRHLPRQMHVSSVDYGNELPPAAAEQPTSIGRIKPELYKQKSVGDGDAKS
 EAAKSCGKINFSLRYDYESETLIVRILKAFDLPKDFCGSSDPYVKIYLLPDRKCKLQTRVHRKTLNPTF
 DENFHFVPVYEELADRKLHLVDFDFDRFSRHDMIGEVI LDNLFEASDLSRETSIWKDIQYATSESVDLGE
 IMFSLCYLPTAGRLTLTVIKCRNLKAMDITGYSEKSGQHRRRIQVQDTHPLWRLQAMKSLVVY

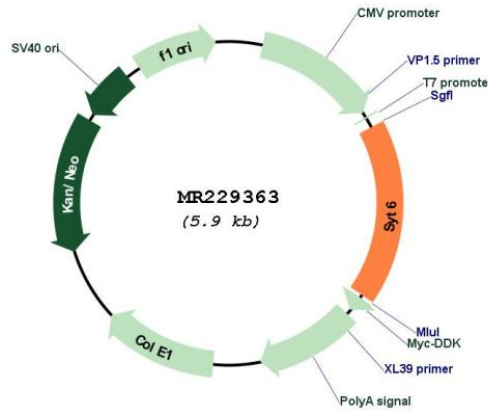
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001276680

ORF Size: 1026 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001276680.1 , NP_001263609.1
RefSeq Size:	1857 bp
RefSeq ORF:	1029 bp
Locus ID:	54524
Cytogenetics:	3 F2.2
MW:	39.3 kDa
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]