

Product datasheet for **MG206793**

Syt6 (BC065065) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt6 (BC065065) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syt6
Synonyms:	3110037A08Rik; AW048930; sytVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206793 representing BC065065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTGGAGGAAGAAAGAGGCCTCCAGCCCTTCTTCTGCTAACCTGCTTCAGAGACTCTCCAGAGCC
CCAGCTCCAGAGGCAACATGGCGGATAAGCTGAAGGACCCAGTGCCTGGGCTTCTGGAGGCAGCTGT
GAAGATCAGCCACACTTCCCAGACATCCCAGCCGAGGTGCAGATGTCGGTCAAAGAGCACATCATGCGC
CACACAAAGCTGCAGCGACAGACCACAGAGCCAGCATCCTCCACCAGGCACACATCCTTCAAGCGCCACC
TGCCACGACAGATGCATGTCTCCAGCGTGGACTATGGCAATGAGCTGCCCGGGCTGCCCGGAGCAGCC
CACCAGTATTGGCCGTATCAAGCCTGAGCTTTACAAGCAGAAGTCAGTGGATGGGGATGATGCCAAGTCG
GAGGCCGCCAAGAGCTGTGGGAAGTCAACTTCAGCCTCCGCTATGACTATGAAAGCGAGACGCTGATTG
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CCTGTCCCGGGAGACCTCCATCTGGAAGGACATCCAGTACGCTACTAGTAAAAGTGTGGACTTGGGAGAG
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TCAAAGCAATGGACATCACAGGCTACTCAGATCCCTACGTCAAAAGTATCCCTACTGTGTGATGGACGGAG
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GACATCCCCCAGAAAACATGGACCAAGTGAAGCTGCTCATCTCCGTTATGGACTATGATAGAGTTGGCC
ACAACGAGATCATAGGAGTCTGTAGAGTGGGGATCAATGCTGAAGGCCTTGGCAGGGACCACTGGAATGA
GATGTTGGCGTACCCACGAAAGCCATTGCGCACTGGCACTCCTTGGTGGAGGTAAGAAATCCTTCAA
GAGGGGACCCCTCGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206793 representing BC065065
 Red=Cloning site Green=Tags(s)

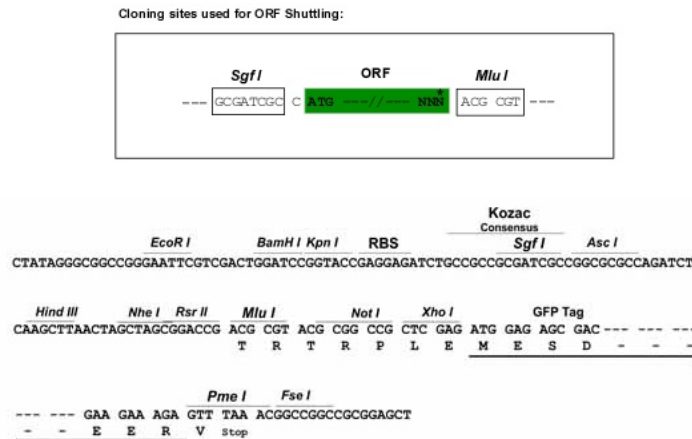
MPWRKKEASSPSSANPASETLQSPSSRGNMADKLDKPSALGFLEAAVKISHTSPDIPAQVMSVKEHIMR
 HTKLQRQTTEPASSTRHTSFKRHLPRQMHVSSVDYGNELPPAAAEQPTSIGRIKPELYKQKSVGDGDAKS
 EAAKSCGKINFLRYDYESETLIVRILKAFDLPKDFCGSSDPYVKIYLLPDRKCKLQTRVHRKTLNPTF
 DENFHFPVPEELADRKLHLVDFDFDRFSRDMIGEVILDNLFEASDLRETSIWKDIQYATSESVDLGE
 IMFSLCYLPTAGRLTLTVIKRNLKAMDITGYSDPYVKVSLLCDGRRLKTKKTTIKKNTLNPIYNEAIIIF
 DIPPENMDQVSLLSVMDYDRVGHNEIIGVCRVGINAEGLGRDHWNEMLAYPRKPIAHWHSLEVEKKSFK
 EGTPLR

TRTRPLE - GFP Tag - V

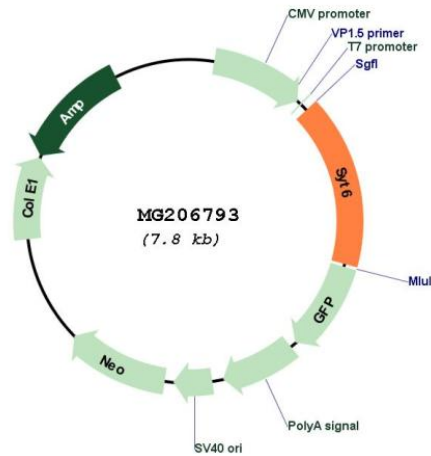
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC065065

ORF Size:	1280 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:	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]