

Product datasheet for RR212696

Syt11 (NM_031667) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt11 (NM_031667) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212696 representing NM_031667 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCTGAGATCACAAATATACGCCCCAGCTTTGATGTGTACCAGTAGCGGCTGGCCTCATCGGCGCCT
CTGTGCTGGTGGTGTGTCTCTGTGACTGTCTTTGTGTGGACATGCTGCCACCAGCAGGCGGAGAAGAA
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AACAAAGAAGAAAATCATCAAAGTTTCGGAGGGACAAAGATGGTTCTCATAGGGAAAAGTGGACGAGGGAACC
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TATAGACCAGTTACCCATCAAAGAGACTATGGGGAAGAAGTGGAGAGCCCATGACCAGCCTGACCCCC
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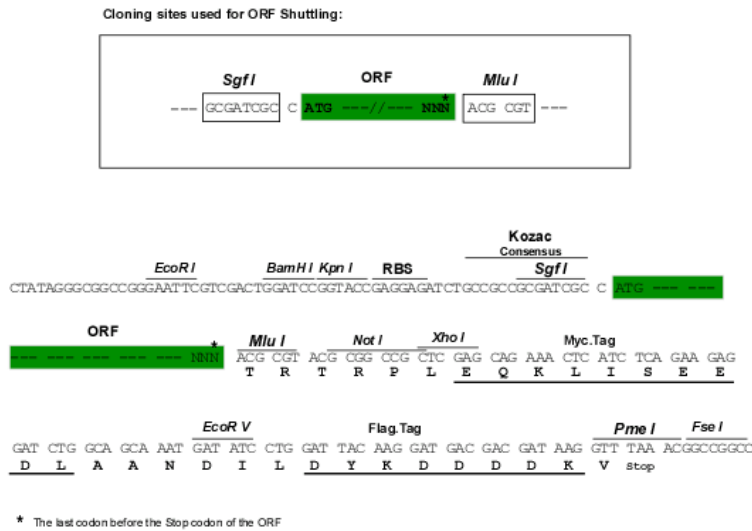
Protein Sequence: >RR212696 representing NM_031667
 Red=Cloning site Green=Tags(s)

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 NKKKIIVRRDKDGRSHRESGRGNLLVNAESGLLSHDRDPRGPPASCIDQLPIKRDYGEELRSPMTSLTP
 GESKPTSPSSPEEDVMLGSLTFSVDYNFPKKALVVTIQEAHGLPVMGQTQGSDPYIKMTILPDKRHRVK
 TRVLRKTLDPVDFETFTFYGIPYSQLQDLVLFVLVLSFDRFSRDDVIGEMVPLAGVDPSTGKVQLTRDI
 IKRNIQKCI SRGELQVLSYQPVAQRMTVVVLKARHLPKMDITGLSDPYKVNYYGRKRIAKKKTHVKK
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 AKWHSLSSEY

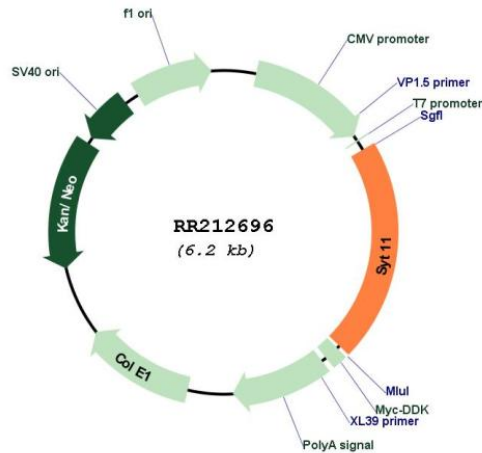
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031667
ORF Size:	1287 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_031667.2 , NP_113855.2
RefSeq Size:	1812 bp
RefSeq ORF:	1290 bp
Locus ID:	60568
Cytogenetics:	2q34
MW:	48.2 kDa
Gene Summary:	calcuim-binding protein, component of synaptic vesicles, component of the SNARE complex of proteins; may serve as the calcium sensor in the process of vesicular trafficking and exocytosis [RGD, Feb 2006]