

## Product datasheet for **MR200112**

### Sptssb (NM\_133675) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sptssb (NM\_133675) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sptssb  
**Synonyms:** 1110032A04Rik; ADMP; Sssptb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR200112 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGGATTCAAGCGCGTGAAGGAGTATTTGCCTGGCTCTATTATCAATACCAGATCATCACCTGCTGTG**  
**CTGTCATGGAGCCTTGGGAACAATCGATGCTCAACACCATCATACTGACCATTGTGGCTATGGTGGTATA**  
**CACTGCCTATGTCTTCATCCCCATCCACATCCGCCTGGCTGGGAATTTTCTCCAAAATATGTGGCTAT**  
**GACAGTTCATTCTAAC**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200112 protein sequence  
Red=Cloning site Green=Tags(s)

MDFKRVKEYFAWLYYQYQIITCCAVMEPWQSMNLNTIILTIVAMVVYAYVFIPIHIRLAWEFFSKICGY  
DSSISN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

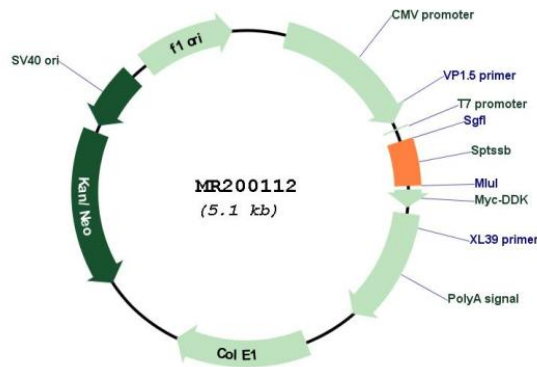


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_133675

ORF Size: 231 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133675.3</a>
<b>RefSeq Size:</b>	1753 bp
<b>RefSeq ORF:</b>	231 bp
<b>Locus ID:</b>	66183
<b>UniProt ID:</b>	<a href="#">Q925E8</a>
<b>Cytogenetics:</b>	3 E2
<b>MW:</b>	9.1 kDa
<b>Gene Summary:</b>	Stimulates the activity of serine palmitoyltransferase (SPT). The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference, complexes with this subunit showing a clear preference for longer acyl-CoAs. The SPTLC1-SPTLC2-SPTSSB complex shows a strong preference for C18-CoA substrate, while the SPTLC1-SPTLC3-SPTSSB isozyeme displays an ability to use a broader range of acyl-CoAs, without apparent preference. [UniProtKB/Swiss-Prot Function]