

## Product datasheet for **MR227699**

### Sptssb (NM\_001286959) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sptssb (NM\_001286959) 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:** >MR227699 representing NM\_001286959  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGATTCAAGCGCGTGAAGGAGTATTTGCCTGGCTCTATTATCAATACCAGATCATCACCTGCTGTG**  
**CTGTCATGGAGCCTTGGGAACAATCGATGCTCAACACCATCATACTGACCATTGTGGCTATGGTGGTATA**  
**CCTGCCTATGTCTTCATCCCCATCCACATCCTGCCTGGAGTA**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >MR227699 representing NM\_001286959  
**Red=Cloning site Green=Tags(s)**  
  
MDFKRVKEYFAWLYYQYQIITCCAVMPEPWEQSMLENTIILTIVAMVYTYVFIPIHILPGV  
  
**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI

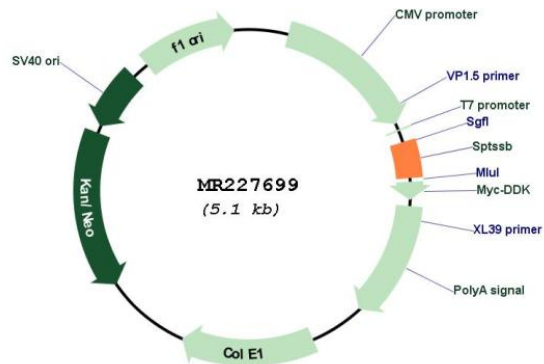


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286959  
 ORF Size: 183 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_001286959.1</a> , <a href="#">NP_001273888.1</a>
<b>RefSeq Size:</b>	1567 bp
<b>RefSeq ORF:</b>	186 bp
<b>Locus ID:</b>	66183
<b>Cytogenetics:</b>	3 E2
<b>MW:</b>	7.7 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 isozyme displays an ability to use a broader range of acyl-CoAs, without apparent preference. [UniProtKB/Swiss-Prot Function]