

Product datasheet for **MC225293**

Sptbn1 (NM_175836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sptbn1 (NM_175836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sptbn1
Synonyms:	9930031C03Rik; AL033301; elf1; elf3; mKIAA4049; Spnb-2; Spnb2; SPTB2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225293 representing NM_175836 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACGACCACGGTAGCCACAGACTATGACAACATTGAGATCCAGCAGCAGTACAGTGATGTGAACAACC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_175836
- Insert Size:** 7092 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:

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_175836.2](#), [NP_787030.2](#)

RefSeq Size: 8265 bp

RefSeq ORF: 7092 bp

Locus ID: 20742

UniProt ID: [Q62261](#)

Cytogenetics: 11 17.44 cM

Gene Summary: Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).