

Product datasheet for **MG217862**

Sptbn1 (NM_009260) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sptbn1 (NM_009260) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sptbn1
Synonyms:	9930031C03Rik; AL033301; elf1; elf3; mKIAA4049; Spnb-2; Spnb2; SPTB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217862 representing NM_009260 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTGCAGAGGACATCCAGCATTTCAAGGCGCTGTGCGCCGCTACACCGGGCAGGTGCCTTACA
ACTACAACCAACTGGAAGGAAGATTCAAACAGCTCCAAGATGAGCGTGAAGCTGTACAGAAGAAGACCTT
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TGACCATTCATGGTCTGGAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217862 representing NM_009260
 Red=Cloning site Green=Tags(s)

MELQRTSSISGPLSPAYTGQVPYNYNQLEGRFKQLQDEREAVQKKTFTKWVNSHLARVSCRITDLYTDLR
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 GKSL LARKHYASEEIKEKLLQLTEKRKEMIDKWEDRWELRLILEVHQFSRDASVAEAWLLGQEPYLSR
 EIGQSVDEVEKLIKREHAEKSAATWDERFSALERLTTLELLEVRRQEEEEERKRPPSPDPNTKVSEEA
 ESQQWDTSKGDQVSQNGLP AEQGS PRVSYRSQTYQNYKNFNSRRTASDHSWSGM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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_009260.2](#), [NP_033286.2](#)

RefSeq Size: 9049 bp

RefSeq ORF: 6465 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]