

Product datasheet for MR216353

Sptbn1 (NM_175836) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sptbn1 (NM_175836) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sptbn1
Synonyms:	9930031C03Rik; AL033301; elf1; elf3; mKIAA4049; Spnb-2; Spnb2; SPTB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216353 representing NM_175836 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR216353 representing NM_175836
 Red=Cloning site Green=Tags(s)

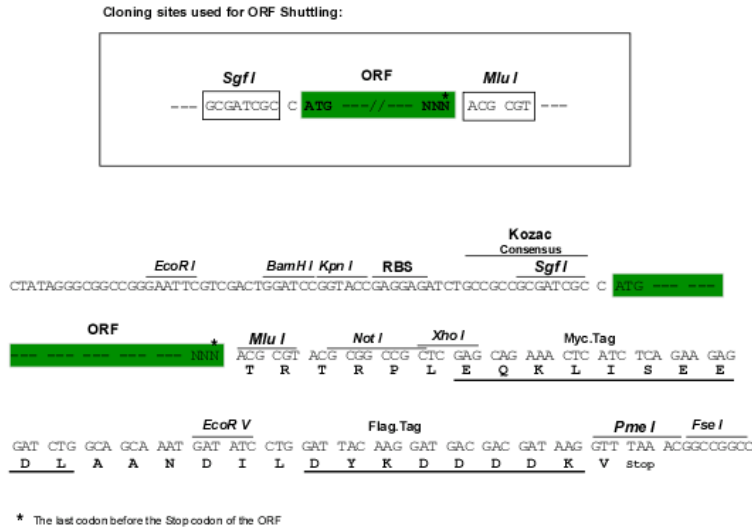
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9106_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175836

ORF Size: 7089 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:
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

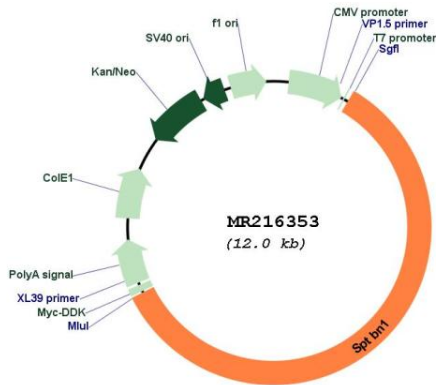
UniProt ID: [Q62261](#)

Cytogenetics: 11 17.44 cM

MW: 274.2 kDa

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]

Product images:



Circular map for MR216353