

Product datasheet for **MG215004**

Svs2 (NM_017390) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Svs2
Synonyms:	BB115391; Semg1; Svsl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215004 representing NM_017390
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTCCTCTGTCTTCGTCCTTTCTGCTCCTCATTCTGGAAAAGACAGTCAGCTGTGGTTGGACAAT
ATGGGGCTACAAAAGGCCACTTCCAGAGCAGCTCCTCAGAGGGATTATGCTTGGTCAGAAAAGGCCGTCT
CAGTTTCGGGATCAAAGGAGGAAGTGACGAAGCAGCTGAAGAAAGCCTTTTCATGCAATCACAACGCCGG
GTGTATGGCCAGGGTGGTGGTGACATGACCCAGACACGTGTTTACAAGAGCATACAAGTGTCAAAGGGG
CCGCACTTTGTCGTAATGGACAAGTATCCCAACTGAAATCCCAAGAATCCCAAATAAAATCCTATGGCCA
AGTGAATCCAGTGGACAGCTGAAATCTGGAGGATCAGCCTTTGGACAAGTGAAGTCCAGTGTGTCCCAA
ATAAAATCCTATGGACAGCTGAAATCCGGTGGTCAAGTGAATCTGGAGGACCAGCCTTTGGACAAGTGA
AATCCCAAGAATCCCAAATAAAATCTTATGGACAATTGAAATCCAGTGGACAAGTGAATCTGGAGGATC
GGCCTTTGGACAAGTGAAGTCCAGTGTGTCCCAAATAAAATCCTATGGACAGCTGAAATCCGGTGGATCC
CAAGTAAAAATCCTATGGTCAAACAAAAATCCTATGGTGAAGAAGTCAACTGAACTCTTTAGCCAAGT
AATCCCAAGGTGCCCAACTAAAATCCTATGGTCAACAAAAATCTCAACAACAGTCTCTTTAGCCAAGT
AAAATCTCAAAGTTCCTAACTAAAGTCTATGGCCAACAAAAATCCCTCAAAGTCTTTCTCAACAACT
CAGCATAAAGGATTTGCCATGGATGAAGGTATGTCACAAGTGCGGAAACAATTTAGTGACGATGACCTCT
CAGTACAACAGAAGTCTACCCAACAGATGAAAACAGAGGAAGACTTATCCCAATTCGGACAACAGCGGCA
ATATGGACAAGAGCGCTCACAATCCTATAAAGGATATCTTGAGCAATACAGAAAGAAAGTACAAGAACA
CAACGAAAAAATTTAATCCCGTAATATTTTACAAAGGGAGGAGCAGACCTCTATCAAGCTCAGCTTA
AGGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215004 representing NM_017390
 Red=Cloning site Green=Tags(s)

MKSSVFLSLLILERQSAVVGQYGATKGFQSSSSEGFMLGQKGRLSFGIKGGSDAAEESLFMQSQRR
 VYGQGGDMTQTRYSQEHTSVKGAALCRNGQVSQLKSQESQIKSYGQVKSSGQLKSGGSAFGQVKSSVSQ
 IKSYGQLKSGGQLKSGGPAFGQVKSQESQIKSYGQLKSSGQLKSGGSAFGQVKSSVSQIKSYGQLKSGGS
 QVKSYGQTKSYGEEGQLNSFSQLKSQGAQLKSYGQKSOQQSSFSQVKSSQLKSYGQKSLKGF SQQT
 QHKGFAMDEGMSQVRKQFSDDDL SVQKSTQQMKTEEDLSQFGQQRQYQGQERSQSYKGYLEQYRKKVQE
 QRKNFNPNGNYFTKGGADLYQAQLKG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017390

ORF Size: 1125 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017390.4](#), [NP_059086.3](#)

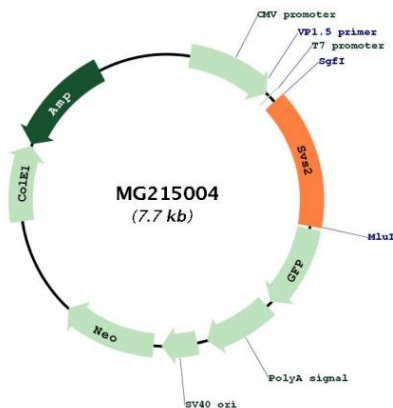
RefSeq Size: 1570 bp

RefSeq ORF: 1128 bp

Locus ID: 53878

Cytogenetics: 2 84.82 cM

Product images:



Circular map for MG215004