

## Product datasheet for **MG215184**

### Svs1 (NM\_172888) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Svs1 (NM_172888) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Svs1
Synonyms:	9530003A11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215184 representing NM\_172888, codon optimized.  
 Due to the complexity of NM\_172888, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCCTTGGTCGGGCGAACCCCTGTGCTGGGGTGGATGACAACGATTCTCGTTGTGCACATGAGCGTGGCTAAACTCCAGGTGGGCCCTGAGAACAAGCCCCAGATGTTGTGGACCTCTCTGGAGAGGAAGTGGAGGCGCACAACCTTTGTTATGTCCTCAAAGGAGCTCGAGCTGCAGCCTCAACTCTGTTACTCTCGCAAGAATCCGTCTTCTGATAGAAATGCTGATGCCAAGAAATACGAGGTTCTTGGCTTCTGGATAAAGCGCAATGCTTCCCTGAGAGAAGCTAGAGTGTGATCTACTTCGAGGCCAGGAGTATCCAAACGTGACCGAATACGCCGTGGGCCAGTCAACAGCCCATGTATATGAGGAACTCAACCGAAAAGGCGGTACGAGCTCTCCTGGGCATCACGACCAATGTCTAAGGTAGAGAGTGCATTGCTTCTGCACACTTTGAAGACAGCCACTAAGCCGCTCCAGGAATTTTTTTTCGACACAACCCGATTACCCTGCAGGATTGCAATGGTGGATGCTTGACTTTTACGAATGTCGGCCCTAGGGCCATGACCTTTGAAAGAGGCATTCTGGTTCTGCTTCAGCGGATAATGAATGACTATTTCTGCAGCCACCCGACTTGAATCCTGTTGGACCATGGGAGCACGGATGTCCAGGATGGATCGTGAACAGGTTTGGTATAACGGTAAGTCTATAACTCCCCAGAGGAACCGTCCAGAAATACGCCGATGGGAAGTGGACATCGTAGTGTCTGAAGACCCACTCCCCAAAACACAGAACAGTCCCCACGTTTTCCACCTATAAGCCATACGCCGAGTTTTTGTATGCAATCAGCAAAGGGGACCACGGGTACCCAGCTGTACCCAGAATCCCCATGCCTATCTCTAAAGGTGGGCCCCAGAAGGCTCAACCCGATCCTAAATTCCCATTTCCATTAGTAAAGGAGGCCCCAGGTGGCACAGCCCTATAGAGAATTTCCCATGCCTATTTCTAAGGGGGGCCACAGGTCGTCCAGCCGATCCCAAATCCCAATTTCAAGGGAGGCCCTAGGTTACCACAGCCCCACGCCAAGTTCCCAATGCCAATCTCAAAGGGGGGCCACGGTCTGCAGCCCAAGCGAAGTTTCCAATGCCATATCCAAGGGCGCCGCAAATAGCTCAGCCCCATGTCCGCACTACAGGCTGAAGCACAATACAGTTTTGTACGGAGACTGGAATCTTTTTCAAGCTGCACTCAAGTTACGGCTTGACGCTCTTCAATGTCCATTTCCGCGGAGAACGCATAGCCTATGAAGTCGGGTACAGGAGGTGATGGCCTTGACAGGGGCCATACAGCCGCGGTAGGAAGACCAAGTACATGGATGTAGGGTGGGCTTGGAGGATTACCACCAGCTGACCCGGGGATTGACTGTCCTCATGAGGCTACCTTCTGGACGCTATACACTACTATGATTCTGACGGTCCAGTGCTTAGCAGGCGCGCCCTGTGCATATTCGAAATGCCGTTGCGCAATATTTCAATAGCAACTTTTCGATCCTCTCTCATACGAAAGCTGTCAGGACCAATGCTGGTACTTCGGACCGCATCAACATCCACAATCAGCACTATATTTGGGATTTTCATCTTCCACTCAAACGGAATGATGGAAGGAAAGATGTATGGCAGAGGCTATGTGCACGCAACTTTCTATTCTTCCAGAGGCTTCTGTATCACTCCAGGTTGCACACCACCTGCTCGGAAATGTGCATAGCCACCTGGCCATTATAGGATCGATCTGGATGTGGCTGGTACCAAGAACAGTTCCAGACTCTGAAGATGCGCTTGAAATATCATGGACCCCTGGTCCCAGCAGGTGAAGCCTATTCTCGATAAAACCCAGTATAGTTGGGAGCGCCAGCCGATTCCACTTACAGACAGACCCTCCCAAATACCTCTGTTTTCTAATACTGGGAAGTCTGTGAGCGGACTGTACATTCTTACCGCCTTCCAGTGCCTCTATGGCTGAACAAGTGTGCCACCAGGCTGGCAGACCAGTCTGCATTACATGGCCACGATATCAGTTGGCTGTACCAAGTATCAGGAGAGTGTGAGAGTTTACGGCTCCCTCTATAACCAGAACCATCACTGGGCCTACCCATGGTGTTCGAAAACCTTATCCACAACAACGAGAATATTGAGGACGAGGATCTGTAGCTTGGGTAACCGTTGGCCTCTCCACAACCACCACTCAGAAATCGTGCCTAGCGTCGTAACCCTGGCAACTCCGCAAGCTTCTGCTGCAGCCGTTGATTTCTATAATTCTTTCAGGCGCTATACTGCTTCTCCAACACACGCTCATGTGTGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215184 representing NM\_172888  
 Red=Cloning site Green=Tags(s)

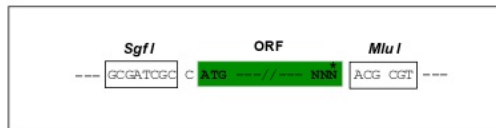
MSLVGRTLVLGWMTTILVVHMSVAKHSRWALRTKPQMLWDLSGEELAVHNFVMSKELELPSTLLTLA  
 KNSVFLIEMLMKKYEVLAFLDKGAMLPLREARVLIYFGAQEYPNVTEYAVGPVEQPMYMRKLNKGGQQ  
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 KHNTVLYGDWNFFFKLHSSYGLQLFNVHFRGERIAYEVGVQEVMALYRGHTAAGRKT KYMDVGVGLGGIT  
 HQLTPGIDCPHEATFLDAIHYYSDGPVLSRRALCIFEMPLRQYFNSNFRSSFSSYAKLSGPMVLRTAS  
 TIHNHDYIWDFFIHSNMGMEGKMYATGYVHATFYSSEGLLYHSRLHHTLLGNVHSHLAHYRIDLDVAGTK  
 NRFQTLKMRLENIMDPWSQVQKPI LDKTQYSWERQAAFHFRQTLPKYLLFSNTGKSVSGLSHSYRLHVPS  
 MAEQVLP PGWQTSFAFTWPRYQLAVTKYQESERFHGSLYNQNHHWAYPMVFENFIHNNENIEDLVAWV  
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TRTRPLE - GFP Tag - V

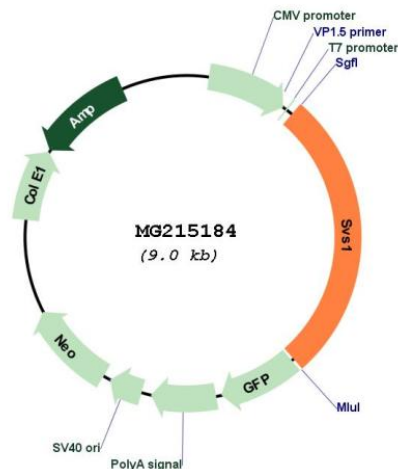
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



## Plasmid Map:



ACCN: NM\_172888

ORF Size: 2460 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\\_172888.3](#), [NP\\_766476.2](#)

RefSeq Size: 2778 bp

RefSeq ORF: 2463 bp

Locus ID: 243377

Cytogenetics: 6 B2.3