

Product datasheet for **MG215160**

Sbsn (NM_172205) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sbsn (NM_172205) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sbsn
Synonyms:	1110005D19Rik; AI747508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215160 representing NM_172205, codon optimized.
 Due to the complexity of NM_172205, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACCTGGTGTCCCTGCTCTCTTCATGCTGCCTGCTCGTGCTGCTCGGTACCTGCCGGCAGGAGCCG
 CTCACGAGGACCCCGTGGAGAAAGTGATCGAAGGCTTCTACGGGGACTGTCTAATGCCGAGCGAGAGGT
 TGGAAAGGCTTTGGAGGGTATCAACAACGGCATAACACAGGCCGGTCGAGAAGTCGAAAAGATTTTCGGG
 GAGCTGTCTAATATGGGCTCTCAGGCCGAAAGAATGTGGAGCACGGTCTGGATAAGGTCGCACATGATA
 TTAATTCGGGATTGGTACGCTGGGAAAGAGGGCGGAGAAGTTTCTCACGGGGTGAACCATGCTGCCGG
 CCAGGTGGGTAAGGAAACTAATAAGATCATCCACCACGGAGTCAGTCAGGTTGGCAGCGAGGCTGGGAAA
 TTCGGCCAGGGGAGCCACCACGCATTCCGGCAAGGAGGCAATGTGGCTGATAAGCTTGGCCACGAGACAC
 ACCACGCCTTCGGGCAGGGCGGTAAATGTTGCAGACAACTGGGTACGAAACACATCACGCCTTCGGACA
 GGGCGGGAATGTGGCAGATAAATGGGACACGGGGGAACGTAGCAGACAAGTTGGGACACGGGACCCAT
 CATGCCTTTGGACAGGGGGGAACGTAGCTGATAAACTGGGCGATGAAACTCATCATGCCTTTGGCCAAG
 GTGGCAATGTGGCTGACAAGCTTGGCATGGTACACACCACGCCTTCGGCCAGGGAGGAAATGTTGCAGA
 CAAGTTGGGTACGAGACTCATGCTTTCGGTCAGGGCGGGAATGTCGCCGAAAAGTTGGGCGCATGAG
 ACTCACACGCCTTTGGTCAAGGGGAAATATGGCTGATAAGTTTGGGCAGGGTGCACATCACGCTTTCG
 GCCAGGGGGAAACATGGCTGATAAATTCGGCCAAAGTGCTCACCACGCATTTCGGTCAGGGCGGAAATAT
 GGCTGACAAATTTGGTCAGGTTGCCACCATGCGTTTCGGCCAAGGAGGCAATATGGCAGATAAGTTTCGGC
 CAGGGCGCCACCACGCCTTCGGACAAGGTGAAACATGGCTGACAAGTTTCGGACAAGGCCTCATCATG
 CGTTTCGGACAGGGGAGAGACATGGCTGAAACATTTGACCAGGGCGCCACCACGCCTTCGGACAGGGAGG
 AAGGGAAGGCGGGAGGCTCGTGCAGGGGCGGACAGGGCCTGTCTCATGCTGCTAAGGAGGCTCAGCAA
 TTCGGACATGGGCACGGCCACGGTACTATGCAGCCGGCCAGACCTGGCAGGAAGGCGACAAGGTGATTA
 GGCCAGGGGTGTCACAGGCAGGTGAGGAAATGGAACAGTTTCGGGCAGGGTGTGCCACACCATAAAGCA
 AGCCGAGAAGGAAGCCGAAAAAGTCGCACACGGGGTCCAGAACGGCGTCAACCAGGCGCAGAAGGAGGCC
 GAAAAGGTGGCACACGGAGTACAGAATGGCGTGAATCAGGCCAAAAGGAGGCGGAGAAGGTCGCTCATG
 GGGTGCAAAATGGTGTGAATCAGGCCGAGAAGGAGGCAGAGAAGGTCGCTCACGGAGTGCAAACTGGAGT
 AAATCAGGCAGGTAAGAAACCCAGAGAGTTGGACAGGGCGTCCAACTGGCTTCAATCAGGGCCAGAAG
 GAGGCAGAAAAGGTCGCCATGGAGTGCAGACGGGAGTGAACCAGGCGGGCAAAGAGACGCAGAAGGCTG
 GCCAAGGCGTCAACTACGCGCTGGGCAGGCTGAAAAGGAAGCCGAAAAGCTGGGCAAGGGGTGCACCA
 CGCGGCAGGGCAGGAAATGAATCGTTCCATCAAGGTCAGGGAGGATATGGGGGCAGCACGGCGCGCTGCCA
 GCTAACAGCTTCTGAATGGTTCCATCAAGGTCAGGGAGGATATGGGGGCAGCACGGCGCGCTGCCA
 CCACTACAGTTGTGCTGGCGTAGTGTTAATAAGCCCTTCATCAATTTCCCGCGCTTTGGCGGTCCAT
 TGCCGCCAATGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215160 representing NM_172205
 Red=Cloning site Green=Tags(s)

MYLVSLSSCCLLVLLGTLPARAAHEDPVEKVIIEGFSRGLSNAEREVKGKALEGINNGITQAGREVEKIFG
 ELSNMGSQAGKNVEHGLDKVAHDINSGIGHAGKEAEKFAHGVNHAAGQVGKETNKIIHHGVSQGGSEAGK
 FGQGSHHAFGQGGNVADKLGHETHHAFGQGGNVADKLGHETHHAFGQGGNVADKLGHGGNVADKLGHGTH
 HAFGQGGNVADKLGHETHHAFGQGGNVADKLGHGTHHAFGQGGNVADKLGHETHHAFGQGGNVAEKLGE
 THHAFGQGGNMADKFGQGAHHAFGQGGNMADKFGQGAHHAFGQGGNMADKFGQGAHHAFGQGGNMADKFG
 QGAHHAFGQGGNMADKFGQGAHHAFGQGRDMAETFDQGAHHAFGQGGREGGRLVQGAGQGLSHAAKEAQQ
 FGHGHGHGYAAGQTWQEGDKVIRPGVSVQAGEEMEFGQGVVIRHTIKQAEKEAEKVAHGVQNGVNQAQKEA
 EKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEA
 EAEKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEAEKVAHGVQNGVNQAQKEA
 ANQLLNLSHQGGYGGQHGGAATTTVSGASVKNKPFINFPALWRSIAATMP

TRTRPLE - GFP Tag - V

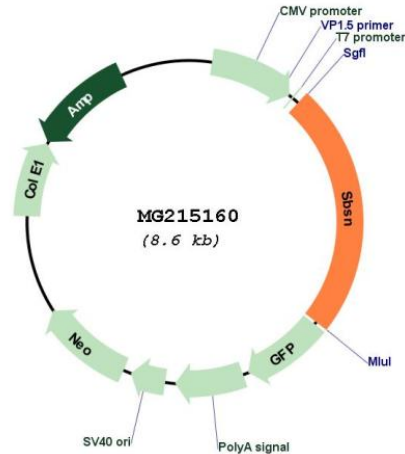
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_172205

ORF Size: 2046 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_172205.3](#), [NP_757342.2](#)

RefSeq Size: 2310 bp

RefSeq ORF: 2049 bp

Locus ID: 282619

Cytogenetics: 7