

Product datasheet for **RG228478**

SBSN (NM_001166034) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SBSN (NM_001166034) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SBSN
Synonyms:	UNQ698
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228478 representing NM_001166034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATCTTGACGTCTGGTCGGCTCCTGCTCCCTCCTTCTGCTACTGGGGCCCTGCTGGATGGCGG
 CCAGCGATGACCCATTGAGAAGGTCATTGAAGGGATCAACCGAGGGCTGAGCAATGCAGAGAGAGAGT
 GGGCAAGGCCCTGGATGGCATCAACAGTGAATCACGCATGCCGGAAGGGAAGTGGAGAAGTTCACAC
 GGACTTAGCAACATGGGGAGCCACACCGCAAGGAGTTGGACAAAGCGTCCAGGGGCTCAACCACGGCA
 TGGACAAGGTTGCCATGAGATCAACCATGGTATTGGACAAGCAGGAAAGGAAGCAGAGAAGCTTGCCA
 TGGGGTCAACAACGCTGCTGGACAGGTTGGGAAGGAGGCAGACAACTGATCCATCATGGGGTCCATCAC
 GGGGCCAACCAGGCGGAAGTGAAGCAGGGAAGTTGGCCAGGGAGTCGACAATGCTGCAGGGCAGGCTG
 GAAATGAGGCTGGGAGGTTGGCCAGGGAGTCCACCATGCTGCAGGGCAGGCCGAAATGAGGCTGGGAG
 GTTTGGCCAGGGAGTCCACCATGCTGCAGGGCAGGCCGAAATGAGGCTGGGAGATTTGGCCAGGGGCC
 CACCATGGTCTCAGTGAAGGCTGGAAGGAGACAGAGAAGTTGGCCAGGGGATCCACCATGCTGCCGGTC
 AGGTTGGGAAGGAGGCAGAGAAGTTGGCCAGGGGCCACCATGCTGCCGGGCAGGCCGAAATGAGGC
 AGGGAGATTTGGCCAGGGGTCCACCATGGTCTCAGTGAAGGCTGGAAGGAGACAGAGAAGTTGGCCAG
 GGGTCCACCATACTGCTGGTCAGGTTGGGAAGGAGGCAGAGAAGTTGGCCAGGGGCCACCATGCTG
 CGGGCAGGCCGAAATGAGGCAGGGAGATTTGGCCAGGGGCCACCATGCTGCCGGGCAGGCCGAAAT
 TGAGGCTGGGAGGTTGGCCAGGGGTCCACCATGGTCTCAGTGAAGGCTGGAAGGAGACAGAGAAGTT
 GGCCAGGGGTCCACCATGCTGCCAGTCAAGTTGGGAAGGAAACAGAGAAGCTCGGCCATGGGGTCCACC
 ATGGGGTTAATGAGGCCGGAAGGAAGCAGAGAAGTTGGCCAGGGGTGTCACCATGCTGCCGCTCGAGG
 GGGGAAGGAGGAAGACAGAGTGGTCCAAGGCCTCCATCATGGCGTTAGTCAGGCTGGAAGGAGGCCGGG
 CAGTTTGGCCACGACATTCACCACACAGCAGGGCAGGCTGGGAAAGAGGAGACATAGCAGTTCATGGTG
 TCCAACCTGGGGTCCACGAGGCCGGAAGGAGGCAGGGCAGTTTGGCCAGGGAGTTCACCATACCCCTTGA
 ACAGGCCGGGAAGGAAGCAGACAAAGCGGTCCAAGGGTCCACACTGGGGTCCACCAGGCTGGGAAGGAA
 GCAGAGAACTTGGCCAAGGGTCAACCATGCTGCTGACCAGGCTGGAAGGAAGTGGAGAAGCTTGGCC
 AAGGTGCCACCATGCTGCTGGCCAGGCCGGAAGGAGCTGCAGAATGCTCATAATGGGGTCAACCAAGC
 CAGCAAGGAGGCCAACCAGCTGCTGAATGGCAACCATCAAAGCGGATCTCCAGCCATCAAGGAGGGGCC
 ACAACCACGCCGTTAGCCTCTGGGGCCTCGGTCAACACGCCTTTCATCAACCTTCCGCCCTGTGGAGGA
 CGCTCGCCAACATCATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228478 representing NM_001166034
 Red=Cloning site Green=Tags(s)

MHLARLVGSCSLLLLALSGWAASDDPIEKVIEGINRGLSNAEREVVKALDGINSGITHAGREVEKVFN
 GLSNMGSHTGKELDKGVQGLNHGMDKVAHEINHIGQAGKEAEKLGHGNNAAAGQVQKEADKLIHHGVHH
 GANQAGSEAGKFGQGVNDNAAGQAGNEAGRFQGVHHAAGQAGNEAGRFQGVHHAAGQAGNEAGRFQGA
 HHGLSEGWKETEFQGGIHHAAAGQVQKEAEKFGQGAHHAAGQAGNEAGRFQGVHHLSEGWKETEFQGG
 GVHHTAGQVQKEAEKFGQGAHHAAGQAGNEAGRFQGAHHAAGQAGNEAGRFQGVHHLSEGWKETEF
 GQGVHHAASQFGKETEKLGHGHHGVNEAWKEAEKFGQGVHHAASQVQKEEDRVVQGLHHGVVQAGREAG
 QFGHDIHHTAGQAGKEGDI AVHGVQPGVHEAGKEAGQFGQGVHHTLEQAGKEADKAVQGFHTGVHQAGKE
 AEKLGQGVNHAADQAGKEVEKLGQGAHHAAGQAGKELQNAHNGVNVQASKEANQLLNHGHQSGSSSHQGGA
 TTTPLASGASVNTPFINLPALWRSVANIMP

TRTRPLE - GFP Tag - V

Restriction Sites:

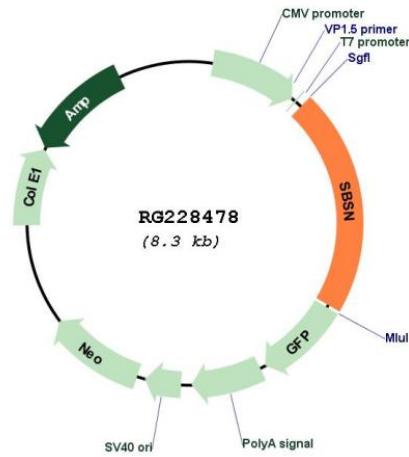
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001166034

ORF Size: 1770 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001166034.2](#)

RefSeq Size: 1998 bp

RefSeq ORF: 1773 bp

Locus ID: 374897

UniProt ID: [Q6UWP8](#)

Cytogenetics: 19q13.12