

Product datasheet for **MG224488**

Sntb2 (NM_009229) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sntb2 (NM_009229) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sntb2
Synonyms:	Snt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224488 representing NM_009229
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGTGGACGCGGGCCACCAAGCGGGGCTGGTGGAGCTGCTTCTAAGGGAGCGCTGGTGCGGG
 TGGTGGCCGAGCTCAGTGGCGAGAGCCTGAGCCTGACGGGCGACGCCCGCGCAGTCGAGCCTGAGCCGCC
 GGCGGCCGCTTCAACGGTCTTCCGAACGGCGGGCGGGCGAGTCTCTGCCCGGGAGCCGAACCGTGGC
 CTGGGGCCGCCAGCCCTCCCGCGCCGCCCGCGGTCCCGCGGGGAAGCGAGCGCCTCGCCGCCGTGC
 GCCGAGTGCAGTGGTGAAGCAAGAGGGCGGGCGCCTGGGCATCAGCATCAAGGGCGGCCGAGAACCG
 GATGCCGATCCTCATCTCAAGATCTTCCCGGGGCTGGCGGCCGACCAGAGCCGGGCGCTGCGGCTGGG
 GACGCCATCCTGTCGGTGAACGGCACCGACCTGCGCCAGGCCACCCAGCAGCCGCTGCAGGCGCTGA
 AGCGCGCGGGCAAGGAGGTGCTGCTGGAGTCAAATTCATCCGAGAAGTAACACCATATATCAAGAAACC
 ATCTTTAGTATCAGATCTGCCATGGGAAGTGCCTCTCCCGAGTCTCAAGCTTTAGTGGCAGTGAAGAC
 TCTGGCTCTCAAAGCATCAGAACCACCAAGGACAGGAAGGTATCCCTCTCAAAATGTCTTTGCTG
 CTCGAAACCTGAGCATGCCAGATCTGGAGAACAGATTGATAGAGCTACATTCTCCTGATAGCAGGAACAC
 CTTGATCTTACGCTGCAAGGATACGGCCACAGCACACTCCTGGTTCGTAGCTATCCACACCAACATAATG
 GCTCTCTCCACAGGACTGGCTGAGCTCAATGCCATGCTTGGTGAACCAAGTACAGCGGGAGGCAGCA
 AGGAAGTCAAGCATATTGCTGGCTGGCAGAGCAGGCAAAGCTGGATGGTGGACGACAGCAGTGGAGGCC
 TGTTCTCATGGCTGTGACTGAGAAGGACTTGCTACTTTATGACTGCATGCCTGGACAAGAGATGCCTGG
 GCATACCGTGTATAGTACCCTCTTGTGCCACAAGTTGGTTCATTACAGTTCTGGATGTCGGTCCAC
 CCTCCCTTGGATCTGACCTGACCTTTGCTACCAGGACAGGCTCTCGGCAGGGCATTGAGATGCATCTCTT
 CAGGGTTGAAACTCATCGGGATTTGTCGACCTGGACCAGAATACTTGTTCAGGGCTGCCATGCTGCTGCT
 GAGCTGATCAAGGAAGTCTCCCTAGGCTGCACCTTAAGTGGCCAAGAGGTAAAGTTCACTGTCCACTATG
 AACACGGGTTCACTATCACCAGAGACAATGGAGGCGCCAGCAGCATATTGTACCGCTATCCCTTTGAACG
 GCTGAAGATGTCTGCTGATGATGGAATCAGAAATCTCTATTTGGATTTTGGTGGCCCTGAGGGAGAAGT
 ACTATGGACCTGCATTCTGTCCAAAGCCGATTGTATTTGATTGCACACGTTCTATCCGCCAAAGTCA
 CTCGCATGGGACTGCTTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224488 representing NM_009229
 Red=Cloning site Green=Tags(s)

MAVWTRATKAGLVELLLRERWVRVVAELSGESLSLTGDAAAVEPEPPAAAFNGLPNGGGESLPGSPNRRG
 LGPPSPAPPARGPAGEASASPPVRRVRVVKQEAGGLGISIKGGRENRMPIILISKIFPLAADQSRALRLG
 DAILSVNGTDLRQATHDQAVQALKRAGKEVLEVKFIREVTPYIKKPSLVSDLPWEGASQSPSFSGSED
 SGSPKHQNTTKDRKVIPLKMCFAARNLSMPDLENRLIELHSPDSRNTLILRCKDTATAHSWFVAIHTNIM
 ALLPQVLAELNAMLGATSTAGGSKEVKHIAWLAEQAKLDGGRQWRPVLMAVTEKDLLLYDCMPWTRDAW
 ASPCHSYPLVATRLVHSGSGCRSPSLGSDLTFATRTGSRQGIEMHLFRVETHRDLSTWTRILVQGCCHAAA
 ELIKEVSLGCTLSGQEVRFVHYEHGFTITRDNGGASSILYRYPFERLKMSADDGIRNLYLDFGGPEGEL
 TMDLHSCPPIVFLHTFLSAKVTRMGLLV

TRTRPLE - GFP Tag - V

Restriction Sites:

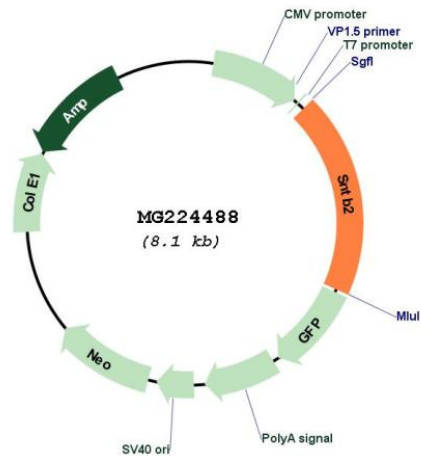
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_009229
ORF Size:	1560 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:	<ol style="list-style-type: none">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_009229.5
RefSeq Size:	4423 bp
RefSeq ORF:	1563 bp
Locus ID:	20650
UniProt ID:	Q61235
Cytogenetics:	8 53.38 cM
Gene Summary:	Adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex. May play a role in the regulation of secretory granules via its interaction with PTPRN (By similarity).[UniProtKB/Swiss-Prot Function]