

## Product datasheet for **RG220701**

### SNRPB (NM\_198216) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPB (NM_198216) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNRPB
Synonyms:	CCMS; COD; Sm-B/B'; SmB/B'; SmB/SmB'; snRNP-B; SNRPB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220701 representing NM_198216 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGTGGCAAGAGCAGCAAGATGCTGCAGCATATTGATTACAGGATGAGGTGCATCCTGCAGGACG  
GCCGGATCTTCATTGGCACCTTCAAGGCTTTTGACAAGCACATGAATTTGATCCTCTGTGACTGTGATGA  
GTTTCAGAAAGATCAAGCCAAAGAAGCTCAAACAAGCAGAAAGGGAAGAGAAGCGAGTCCTCGGTCTGGT  
CTGCTGCGAGGGGAGAATCTGGTCTCAATGACAGTAGAGGGACCTCTCCAAAGATACTGGTATTGCTC  
GAGTTCCACTTGCTGGAGCTGCCGGGGCCAGGGATCGGCAGGGCTGCTGCCAGAGGAATCCCAGCTGG  
GGTCCCATGCCCCAGGCTCCTGCAGGACTTGCTGGGCCAGTCCGTGGGTTGGCCGGCCATCCCAACAG  
GTGATGACCCACAAGGAAGAGGTACTGTTGCAGCCGCTGCAGCTGCTGCCACAGCCAGTATTGCCGGGG  
CTCCAACCCAGTACCCACCTGGCCGTGGGGTCTCCCCACCTATGGGCCGAGGAGCACCCCTCCAGG  
CATGATGGGCCACCTCCTGGTATGAGACCTCCTATGGGTCCCCCAATGGGGATCCCCCTGGAAGAGGG  
ACTCAAATGGGCATGCCCTCCGGAATGCGGCCTCCTCCCCCTGGGATGCGAGGGCCCCCTCCCCCG  
GAATGCGCCACCAAGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG220701 representing NM\_198216  
Red=Cloning site Green=Tags(s)

MTVGKSSKMLQHIDYRMRCILQDGRIFIGTFKAFDKHMNLILCDCDEFKRIKPKNSKQAEREKRVLGLV  
 LLRGENLVSMTVEGPPPKDTGIARVPLAGAAGGPGIGRAAGRGIPAGVMPQAPAGLAGPVRGVGGPSQQ  
 VMTPQGRGTVAATAAATAASIAGAPTQYPPGRGGPPPMGRGAPPPGMMGPPPGMRPPMGPMPGIPPRG  
 TPMGMPPPGMRPPPGMRGPPPGMRPPRP

TRTRPLE - GFP Tag - V

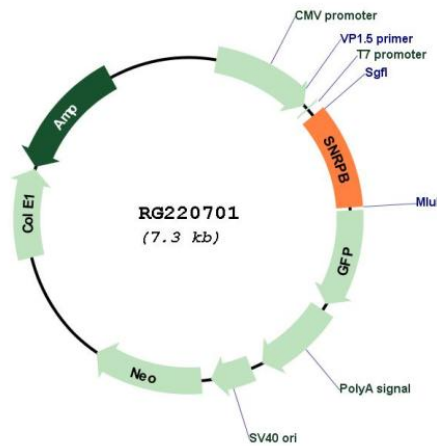
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_198216

**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198216.2</a>
<b>RefSeq Size:</b>	1007 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	6628
<b>UniProt ID:</b>	<a href="#">P14678</a>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	Spliceosome, Systemic lupus erythematosus
<b>Gene Summary:</b>	The protein encoded by this gene is one of several nuclear proteins that are found in common among U1, U2, U4/U6, and U5 small ribonucleoprotein particles (snRNPs). These snRNPs are involved in pre-mRNA splicing, and the encoded protein may also play a role in pre-mRNA splicing or snRNP structure. Autoantibodies from patients with systemic lupus erythematosus frequently recognize epitopes on the encoded protein. Two transcript variants encoding different isoforms (B and B') have been found for this gene. [provided by RefSeq, Jul 2008]