

## Product datasheet for **RG205120**

### SNRPB2 (NM\_003092) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPB2 (NM_003092) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNRPB2
Synonyms:	Msl1; U2B'
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205120 representing NM_003092 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATATCAGACCAAATCATAAATTTATCAACAATATGAATGACAAAATTTAAAAGGAAGAATTGA  
AGAGATCCCTATATGCCCTGTTTTCTCAGTTTGGTCATGTGGTGGACATTGTGGCTTTAAAGACCATGAA  
GATGAGGGGGCAGGCCTTTGTCAATTTAAGGAACTGGGCTCATCCCAAATGCCTTGAGACAGCTACAA  
GGATTTCCATTTTATGGTAAACCAATGCGAATACAGTATGCAAAAACAGATTCGGATATAATATCAAAAA  
TGGCTGGAACCTTTGCTGACAAAAGAAAAGAAAAGAAAAGAAAAGCCAAAACCTGTGGAACAGACTGC  
AAACAACCACAAAACAAAAGCCTGGCCAGGGAATCCAAAATTCAGCTAATACCCAAGGAAATTC AACACCA  
AATCCTCAGGTCCCTGATTACCTCCAACTATATTTTATTCCTAATAACTTACCAGAAGAGACTAATG  
AGATGATGTTATCCATGCTGTTAATCAGTTCCCTGGCTCAAGGAAGTACGTCTGGTACCAGGGAGGCA  
TGACATTGCTTTTGTGAATTTGAAAATGATGGGCAGGCTGGAGCTGCCAGGGATGCTTTACAGGGATTT  
AAGATCACACCGTCCCATGCTATGAAGTACCTATGCCAAGAAA

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205120 representing NM\_003092  
 Red=Cloning site Green=Tags(s)

MDIRPNHTIYINNMDKIKKEELKRSLYALFSQFGHVVDIVALKTMKMRGQAFVIFKELGSSTNALRQLQ  
 GFPPFYGKPMRIQYAKTDSDIISKMRGTADFKEKKKAKTVEQTATTTNKKPGQGTGPSANTQGNSTP  
 NPQVPDYPPNYILFLNLPETNEMMLSMFLFNQFPGFKEVRLVGRHDIAFVEFENDGQAGAARDALQGF  
 KITPSHAMKITYAKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003092

**ORF Size:** 675 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\\_003092.5](#)

**RefSeq Size:** 1281 bp

**RefSeq ORF:** 678 bp

**Locus ID:** 6629

**UniProt ID:** [P08579](#)

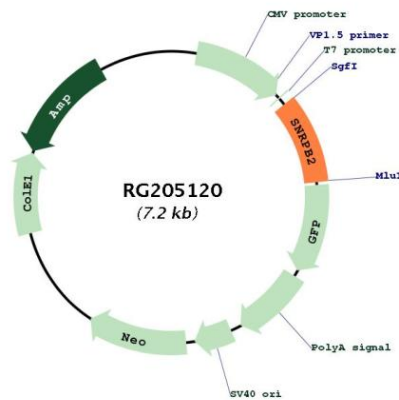
**Cytogenetics:** 20p12.1

**Domains:** RRM

**Protein Pathways:** Spliceosome

**Gene Summary:** The protein encoded by this gene associates with stem loop IV of U2 small nuclear ribonucleoprotein (U2 snRNP) in the presence of snRNP-A'. The encoded protein may play a role in pre-mRNA splicing. Autoantibodies from patients with systemic lupus erythematosus frequently recognize epitopes on the encoded protein. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG205120