

Product datasheet for RC205120

SNRPB2 (NM_003092) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPB2 (NM_003092) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNRPB2
Synonyms:	Msl1; U2B'
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205120 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATATCAGACCAAATCATAAATTTATCAACAATATGAATGACAAAATTTAAAGGAAGAATTGA
AGAGATCCCTATATGCCCTGTTTTCTCAGTTTGGTCATGTGGTGGACATTGTGGCTTTAAAGACCATGAA
GATGAGGGGGCAGGCCTTTGTCAATTTAAGGAACTGGGCTCATCCCAAATGCCTTGAGACAGCTACAA
GGATTTCCATTTTATGGTAAACCAATGCGAATACAGTATGAAAAACAGATTCGGATATAATATCAAAAA
TGCCTGGAACCTTTGCTGACAAAGAAAAGAAAAAGAAAAAGCCAAAACCTGTGGAACAGACTGC
AACCAACCACAAACAAAAAGCCTGGCCAGGGAACCCAAATTCAGCTAATACCCAAGGAAATTC AACACCA
AATCCTCAGGTCCCTGATTACCCTCCAACTATATTTTATTCCTTAATAACTTACCAGAAGAGACTAATG
AGATGATGTTATCCATGCTGTTAATCAGTTCCCTGGCTCAAGGAAGTACGTCTGGTACCAGGGAGGCA
TGACATTGCTTTTGTGAATTTGAAAAATGATGGGCAGGCTGGAGCTGCCAGGGATGCTTTACAGGGATTT
AAGATCACACCGTCCCATGCTATGAAGATCACCTATGCCAAGAAA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205120 protein sequence
 Red=Cloning site Green=Tags(s)

MDIRPNHTIYINNMDKIKKEELKRSLYALFSQFGHVVDIVALKTMKMRGQAFVIFKELGSSTNALRQLQ
 GFPPFYGKPMRIQYAKTDSDIISKMRGTADFADKEKKKKKAKTVEQTATTTNKKPGQGTGPSANTQGNSTP
 NPQVPDYPPNYILFLNMLPEETNEMMLSMFLNQFPGFKEVRLVPGRHDIAFVEFENDGQAGAARDALQGF
 KITPSHAMKITYAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6439_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003092.5](#)

RefSeq Size: 1692 bp

RefSeq ORF: 678 bp

Locus ID: 6629

UniProt ID: [P08579](#)

Cytogenetics: 20p12.1

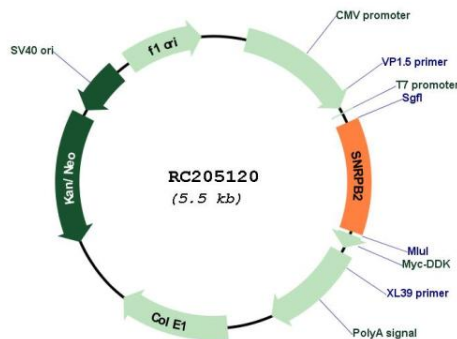
Domains: RRM

Protein Pathways: Spliceosome

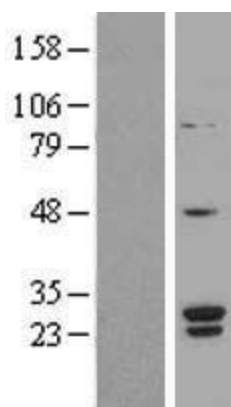
MW: 25.5 kDa

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 RC205120



Western blot validation of overexpression lysate (Cat# [LY418903]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205120 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).