

Product datasheet for **RC218418**

SNRPC (NM_003093) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNRPC (NM_003093) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SNRPC
Synonyms: U1C; Yhc1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218418 representing NM_003093
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAAGTTTTATTGTGACTACTGCGATACATACCTCACCCATGACTCTCCATCTGTGAGAAAGACAC
ACTGCAGTGGAAGGAAACACAAAGAGAATGTGAAAGACTATTATCAGAAATGGATGGAAGAGCAGGCTCA
GAGCCTGATTGACAAAACAACGGCTGCATTTCAACAAGGAAAGATACCTCCTACTCCATTCTCTGCTCCT
CCTCTGCAGGGCGATGATACCACCTCCCCCAGCCTTCCGGGTCTCCTCGCCCTGGTATGATGCCAG
CACCCCATATGGGGGCCCTCCCATGATGCCAATGATGGGCCCTCCTCCTGGGATGATGCCAGTGGG
ACCTGCTCCTGGAATGAGGCCGCCATGGGAGGCCATATGCCAATGATGCCTGGGCCCCCAATGATGAGA
CCTCCTGCCCGTCCCATGATGGTGCCACTCGGCCGGAATGACTCGACCAGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218418 representing NM_003093
Red=Cloning site Green=Tags(s)
MPKFYCDYCDTYLTHDPSVRKTHCSGRKHKENVKDYQKWMEEQAQSLIDKTTAAFPQQGKIPPTPFSAP
PPAGAMIPPPSLPGPPRPGMMPAPHMGGPPMMPMMPGPPPGMMPVGPAPGMRPPMGGHMPMMPGPPMMP
PPARPMVPTRPGMTRPDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6441_b10.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003093

ORF Size: 477 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_003093.3](#)

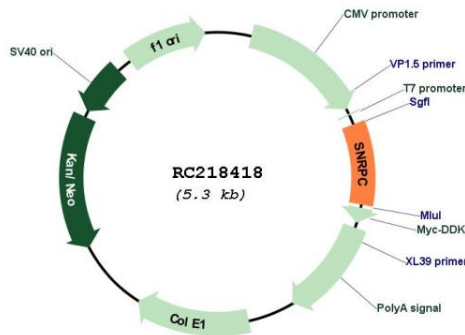
RefSeq Size: 733 bp

RefSeq ORF: 480 bp

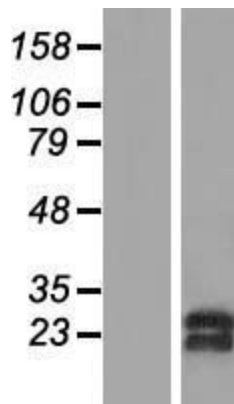
Locus ID: 6631

UniProt ID: [P09234](#)
Cytogenetics: 6p21.31
Domains: ZnF_U1
Protein Families: Stem cell - Pluripotency
Protein Pathways: Spliceosome
MW: 17.2 kDa
Gene Summary: This gene encodes one of the specific protein components of the U1 small nuclear ribonucleoprotein (snRNP) particle required for the formation of the spliceosome. The encoded protein participates in the processing of nuclear precursor messenger RNA splicing. snRNP particles are attacked by autoantibodies frequently produced by patients with connective tissue diseases. The genome contains several pseudogenes of this functional gene. Alternative splicing results in a non-coding transcript variant.[provided by RefSeq, Oct 2009]

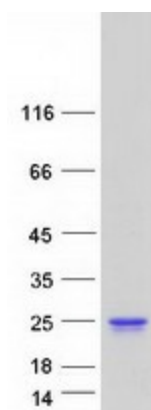
Product images:



Circular map for RC218418



Western blot validation of overexpression lysate (Cat# [LY418904]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218418 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNRPC protein (Cat# [TP318418]). The protein was produced from HEK293T cells transfected with SNRPC cDNA clone (Cat# RC218418) using MegaTran 2.0 (Cat# [TT210002]).