

# Recombinant human SNRPC protein

Catalog Number: ATGP1323

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-159aa

### UniProt No.

P09234

### NCBI Accession No.

NP\_003084.1

### Alternative Names

u1 small nuclear ribonucleoprotein C, u1C, Yhc1

## PRODUCT SPECIFICATION

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### Molecular Weight

19.8 kDa (182aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.3M NaCl, 5mM DTT, 2mM EDTA

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

SNRPC belongs to the u1 small nuclear ribonucleoprotein C family. This protein component of the u1 small nuclear ribonucleoprotein (snRNP) particle required for the formation of the spliceosome. This 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. Recombinant human SNRPC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MPKFYCD YCDTYLTHDS PSVRKTHCSG RKHKENVKDY YQKWMEEQAQ  
SLIDKTAAAF QQGKIPPTPF SAPPAGAMI PPPSLPGPP RGMMPAPHM GGPPMPMMG PPPGMPVVG PAPGMRPPMG  
GHMPMPGPP MMRPPARPM VPTRPGMTRP DR

## General References

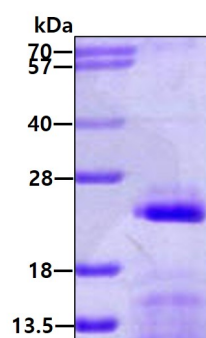
Sillekens P.T.G., et al. (1988) Nucleic Acids Res. 16:8307-8321

Muto Y., et al. (2004) J. Mol. Biol. 341:185-198

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.