

Recombinant Human Small Nuclear Ribonucleoprotein Polypeptide C, His-tagged

Cat. No. SNRPC-1323H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNRPC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 50% glycerol, 0.3 M NaCl, 2 mM EDTA.
Molecular Weight	19.8 kDa (182 aa) confirmed by MALDI-TOF
Purity	> 85 % by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSMPKFYCD YCDTYLTHDS PSVRKTHCSG RKHKENVKDY YQKWMEEQAQ SLIDKTTAAF QQGKIPPTPF SAPPPAGAMI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PPPPSLPGPP RPGMMPAPHM GGPPMMPMMG PPPPGMMPVG PAPGMRPPMG
GHMPMMPGPP MMRPPARPMV VPTRPGMTRP DR

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Spliceosome

GENE INFORMATION

Gene Name

SNRPC small nuclear ribonucleoprotein polypeptide C [Homo sapiens]

Official Symbol

SNRPC

Synonyms

SNRPC; small nuclear ribonucleoprotein polypeptide C; U1C; Yhc1; FLJ20302; U1 small nuclear ribonucleoprotein C; U1 snRNP C; OTTHUMP00000016238; OTTHUMP00000016239; OTTHUMP00000016240; U1 snRNP protein C; U1 small nuclear RNP specific C

Gene ID

6631

mRNA Refseq

NM_003093

Protein Refseq

NP_003084

MIM

603522

UniProt ID

P09234

**Chromosome
Location**

6p21

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Function RNA binding; NOT U1 snRNA binding; metal ion binding; nucleic acid binding; protein binding; protein homodimerization activity; single-stranded RNA binding; zinc ion binding

PDBrendering based on 1uw2.

