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Recombinant human SNRPC protein

Catalog Number: ATGP1323

PRODUCT INFORMATION

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

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

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

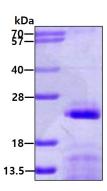
<MGSSHHHHHH SSGLVPRGSH MGS>MPKFYCD YCDTYLTHDS PSVRKTHCSG RKHKENVKDY YQKWMEEQAQ SLIDKTTAAF QQGKIPPTPF SAPPPAGAMI PPPPSLPGPP RPGMMPAPHM GGPPMMPMMG PPPPGMMPVG PAPGMRPPMG GHMPMMPGPP MMRPPARPMM VPTRPGMTRP DR

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

SDS-PAGE



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

