

# Recombinant human SNRPF protein

Catalog Number: ATGP0820

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-86aa

### UniProt No.

P62306

### NCBI Accession No.

NP\_003086

### Alternative Names

Small nuclear ribonucleoprotein polypeptide F, Sm-F, SMF, PBSCF

## PRODUCT SPECIFICATION

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### Molecular Weight

11.8 kDa (106aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 1mM EDTA

### Purity

> 95% 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

Small nuclear ribonucleoprotein polypeptide F, also known SNRPF, belongs to the snRNP Sm proteins family. There are at least seven isoforms, E, F, G, D1, D2, D3 and B/B. This class of common proteins plays an essential role in the biogenesis of the snRNPs. In addition, these proteins represent the major targets for the so-called anti-Sm auto-antibodies which are diagnostic for systemic lupus erythematosus (SLE). SNRPF aid in the cytoplasmic construction of the usnRNPs by binding to a conserved Sm site on usnRNA and forming a stable snRNP core complex. Recombinant human SNRPF protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MSLPLNPKPF LNGLTGKPVV VKLKWGMEYK GYLVSVDDGYM NMQLANTEEY  
IDGALSGHLG EVLIRCNNVL YIRGVVEEEEE DGEMRE

### General References

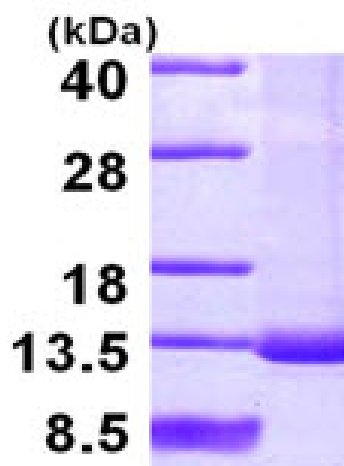
Brahms H., et al. (1997) Arthritis Rheum. 40:372-682.

Raker V A., et al. (1996) EMBO J. 15:2256-2269.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)