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### Recombinant human SNRPF protein

Catalog Number: ATGP0820

#### **PRODUCT INFORMATION**

#### **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

#### **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**

#### **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 aconserved 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**

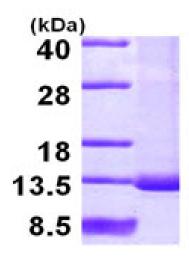
MGSSHHHHHH SSGLVPRGSH MSLPLNPKPF LNGLTGKPVM VKLKWGMEYK GYLVSVDGYM NMQLANTEEY IDGALSGHLG EVLIRCNNVL YIRGVEEEEE DGEMRE

#### **General References**

Brahms H., et al. (1997) Arthritis Rheum. 40:372-682. Raker V A., et al. (1996) EMBO J. 15:2256-2269.

#### **DATA**

#### **SDS-PAGE**



coomassie blue stain.

3ug by SDS-PAGE under reducing condition and visualized by

15% SDS-PAGE (3ug)