

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 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 GYLVSV DGYM NMQLANTEEY
IDGALSGHLG EVLIRCNNVL YIRGV EEEEE DGEMRE

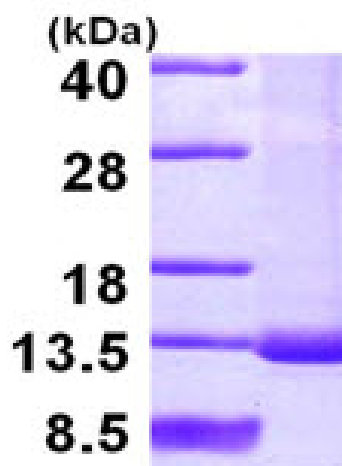
General References

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

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)