

Recombinant human SNRPB2 protein

Catalog Number: ATGP1044

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-225aa

UniProt No.

P08579

NCBI Accession No.

NP_003083

Alternative Names

u2 small nuclear ribonucleoprotein B, u2 snRNP B

PRODUCT SPECIFICATION

Molecular Weight

27.6 kDa (245aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl

Purity

> 90% 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

SNRPB2, also known as u2 small nuclear ribonucleoprotein B, belongs to the RRM u1 A/B family. This protein associates with stem loop IV of u2 small nuclear ribonucleoprotein (u2 snRNP) in the presence of snRNP-A. It may play a role in pre-mRNA splicing. Autoantibodies from patients with systemic lupus erythematosus frequently recognize epitopes on the encoded protein. Two transcript variants encoding the same protein have been found for this gene. Recombinant human SNRPB2 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> MDIRPNHTIY INNMNDKIKK EELKRSLYAL FSQFGHVVDI VALKTMKMRG QAFVIFKELG
SSTNALRQLQ GFPFYGKPMR IQYAKTDSI ISKMRGTFAD KEKKKEKKKA KTVEQTATTT NKKPGQGTPN SANTQGNSTP
NPQVPDYPPN YILFLNNLPE ETNEMMLSML FNQFPGFKEV RLVPGRHDIA FVEFENDGQA GAARDALQGF KITPSHAMKI
TYAKK

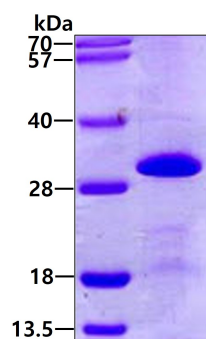
General References

Guo JX., et al. (2001) Biophys J. 81(2):630-42

Price S.R., et al. (1998) Nature.394:645-650

DATA

SDS-PAGE



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