

Recombinant human Fibrillarin/FBL protein

Catalog Number: ATGP0721

PRODUCT INFORMATION

Expression system

E.coli

Domain

83-321aa

UniProt No.

P22087

NCBI Accession No.

NP_001427

Alternative Names

rRNA 2'-O-methyltransferase fibrillarin, FIB, FLRN, RNu3IP1, rRNA 2'-O-methyltransferase fibrillarin, Nop1, 34 kDa nucleolar scleroderma antigen, Histone-glutamine methyltransferase, U6 snRNA 2'-O-methyltransferase fibrillarin

PRODUCT SPECIFICATION

Molecular Weight

28.9 kDa (262aa) , confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM EDTA

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

FBL is a key small nucleolar protein in eukaryotes, which has an important role in pre-rRNA processing during ribosomal biogenesis. It is associated with the u3, u8, and u13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. This protein is a component of several ribonucleoproteins including a nucleolar small nuclear ribonucleoprotein (SnRNP) and one of the two classes of small nucleolar ribonucleoproteins (snoRNPs). Recombinant human FBL protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH RSM>GKNVMVE PHRHEGVFIC RGKEDALVTK NLVPGESVYG EKRVSISEGD
DKIEYRAWNP FRSKLAAAIL GGVDQIHIKP GAKVLYLGAA SGTTVSHVSD IVGPDGLVYA VEFSHRSGRD LINLAKKRTN
IIPVIEDARH PHKYRMLIAM VDVIFADVAQ PDQTRIVALN AHTFLRNGGH FVISIKANCI DSTASAEAVF ASEVKKMQQE
NMKPQEQLTL EPYERDHAVV VGVYRPPPKV KN

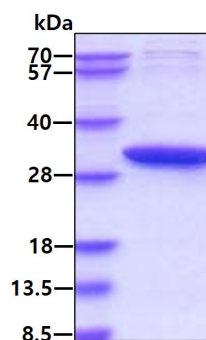
General References

Amin MA, et al. (2007) Biochem Biophys Res Commun. 360(2):320-6

Jansen RP, et al. (1991) J Cell Biol 113 (4): 715-29

DATA

SDS-PAGE



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