Product Data Sheet

Product Name:	FBL Human
Cat. No.:	GP21619
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	rRNA 2'-O-methyltransferase fibrillarin; 34 kDa nucleolar scleroderma antigen; FBL; FIB1; FLRN; fibrillarin; FIB; RNU3IP1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH RSMGKNVMVE PHRHEGVFIC RGKEDALVTK NLVPGESVYG EKRVSISEGD DKIEYRAWNP FRSKLAAAIL GGVDQIHIKP GAKVLYLGAA SGTTVSHVSD IVGPDGLVYA VEFSHRSGRD LINLAKKRTN IIPVIEDARH PHKYRMLIAM VDVIFADVAQ PDQTRIVALN AHTFLRNGGH FVISIKANCI DSTASAEAVF ASEVKKMQQE NMKPQEQLTL EPYERDHAVV VGVYRPPPKV KN.		
Formulation	The FBL solution (0.5mg/ml) contains Phosphate buffered saline (pH 7.4), 30% glycerol, and 1mM EDTA.		

Introduction

FBL is a significant small nucleolar protein in eukaryotes, which has an essential role in pre-rRNA processing during ribosomal biogenesis. Fibrillarin is a component of several ribonucleoproteins including a nucleolar small nuclear ribonucleoprotein (SnRNP) and one of the two classes of small nucleolar ribonucleoproteins (snoRNPs). Fibrillarin contains an N-terminal repetitive domain which is rich in glycine and arginine residues, like fibrillarins in other species. Fibrillarinбпs central region is similar to an RNA-binding domain and contains an RNP consensus sequence. FBL is linked to the U3, U8, and U13 small nuclear RNAs and is positioned in the dense fibrillar component (DFC) of the nucleolus. Antisera from roughly 8% of humans with the autoimmune disease scleroderma recognize fibrillarin.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

FBL Human Recombinant fused with 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 262 amino acids (83-321 a.a.) and having a molecular mass of 28.9kDa. The FBL is purified by proprietary chromatographic techniques.

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