Recombinant Human FBL, His-tagged

Cat. No. FBL-12762H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FBL protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-321a.a.
Description	This gene product is a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle thought to participate in the first step in processing preribosomal RNA. It is associated with the U3, U8, and U13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. The encoded protein contains an N-terminal repetitive domain that is rich in glycine and arginine residues, like fibrillarins in other species. Its central region resembles an RNA-binding domain and contains an RNP consensus sequence. Antisera from approximately 8% of humans with the autoimmune disease scleroderma recognize fibrillarin.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	FBL fibrillarin [Homo sapiens]
Official Symbol	FBL
Synonyms	FBL; fibrillarin; rRNA 2-O-methyltransferase fibrillarin; FIB; FLRN; RNU3IP1; 34-kD nucleolar scleroderma antigen; 34 kDa nucleolar scleroderma antigen; RNA, U3 small nucleolar interacting protein 1;
Gene ID	2091
mRNA Refseq	NM_001436
Protein Refseq	NP_001427
MIM	134795
UniProt ID	P22087
Chromosome Location	19q13.1
Pathway	Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	RNA binding; methyltransferase activity; protein binding; transferase activity;

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