

Recombinant Human FBL, His-tagged

Cat. No. FBL-28839TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 81-321 of Human Fibrillarin with N terminal His tag; Predicted MWt 28 kDa.
Species	Human
Source	E.coli
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 137 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

QSGKNVMVEPHRHEGVFICRGKEDALVTKNLVPGESVYGE KRVSISEGDDKIEYRA
 WNPFRSKLAAAILGGVDQIHIK PGAKVLYLGAASGTTVSHVSDIVGPDGLVYAVEFS
 HRS GRDLINLAKKRTNIIPVIEDARHPHKYRMLIAMVDVIF ADVAQPDQTRIVALNAH
 TFLRNGGHFVISIKANCIDSTAS AEAVFASEVKKMQQENMKPQEQLTLEPYERDHAV
 VVG V YRPPPKVKN

Sequence Similarities

Belongs to the methyltransferase superfamily. Fibrillarin family.

GENE INFORMATION

Gene Name FBL fibrillarin [Homo sapiens]

Official Symbol FBL

Synonyms FBL; fibrillarin; rRNA 2-O-methyltransferase fibrillarin; FIB; FLRN; RNU3IP1;

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

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Pathway, organism-specific biosystem;

Function

RNA binding; methyltransferase activity; protein binding; transferase activity;

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