

## Recombinant Human FBL, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human FBL protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-321a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### GENE INFORMATION

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|                            |                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FBL fibrillarin [ Homo sapiens ]                                                                                                                                                                        |
| <b>Official Symbol</b>     | FBL                                                                                                                                                                                                     |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 2091                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_001436                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001427                                                                                                                                                                                               |
| <b>MIM</b>                 | 134795                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | P22087                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 19q13.1                                                                                                                                                                                                 |
| <b>Pathway</b>             | Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;                 |
| <b>Function</b>            | RNA binding; methyltransferase activity; protein binding; transferase activity;                                                                                                                         |

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