

## Recombinant Human LMNA protein, GST-tagged

**Cat. No.** LMNA-1857H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LMNA protein(26-198 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 26-198 aa                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | ITRLQEKEDLQELNDRLAVYIDRVRSLETENAGLRLRITESEEVVSREVSGIKAAAYEAE<br>LGDARKTLDSVAKERARLQLELSKVREEFKELKARNTKKEGDLIAAQARLKDLEALLN<br>SKEAALSTALSEKRTLLEGELHDLRGQVAKLEAALGEAKKQLQDEMLRRVDAENRLQ                                                                                      |
| <b>Purity</b>           | 98%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |
| <b>Reconstitution</b>   | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.                                                                                                                                                                                                    |

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** LMNA lamin A/C [ Homo sapiens ]

**Official Symbol** LMNA

**Synonyms** LMNA; lamin A/C; cardiomyopathy, dilated 1A (autosomal dominant) , CMD1A, lamin A/C like 1 , LGMD1B, limb girdle muscular dystrophy 1B (autosomal dominant) , LMN1, LMNL1, PRO1, progeria 1 (Hutchinson Gilford type); lamin; HGPS; 70 kDa lamin; prelamin-A/C; lamin A/C-like 1; renal carcinoma antigen NY-REN-32; FPL; IDC; LFP; CDDC; EMD2; FPLD; LDP1; LMN1; LMNC; PRO1; CDCD1; CMD1A; FPLD2; LMNL1; CMT2B1; LGMD1B;

**Gene ID** 4000

**mRNA Refseq** NM\_001257374

**Protein Refseq** NP\_001244303

**MIM** 150330

**UniProt ID** P02545

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