

Recombinant Human LMNA Protein, His-tagged

Cat. No. LMNA-267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LMNA(Met1~Glu422) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu422
Description	The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	52.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
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

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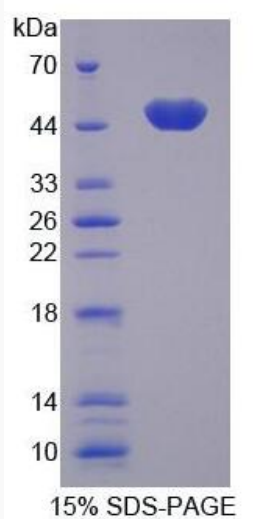
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Protein Refseq NP_001244303

MIM 150330

UniProt ID P02545



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