

Recombinant Human LMNB1 protein, His-tagged

Cat. No. LMNB1-266H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LMNB1(Ser52~Gly233) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser52~Gly233
Description	This gene encodes one of the two B-type lamin proteins and is a component of the nuclear lamina. A duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD). Alternative splicing results in multiple transcript variants.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	24.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

LMNB1 lamin B1 [Homo sapiens]

Official Symbol

LMNB1

Synonyms

LMNB1; lamin B1; lamin-B1; LMN; ADLD; LMN2; LMNB; MGC111419;

Gene ID

4001

mRNA Refseq

NM_001198557

Protein Refseq

NP_001185486

MIM

150340

UniProt ID

P20700

**Chromosome
Location**

5q23.2

Pathway

Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem;

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Breakdown of the nuclear lamina, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem;

Function

phospholipase binding; structural molecule activity;

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