



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### LMNA (Human) Recombinant Protein (P01)

**Catalog Number:** H00004000-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human LMNA full-length ORF ( NP\_733821.1, 1 a.a. - 664 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

METPSQRRATRSGAQASSTPLSPTRITRLQEKEDLQE  
LNDRLAVYIDRVRSLTENAGLRRLRITESEEVVSREVS  
GIKAAEYAEELGDARKTLDSVAKERARLQLELSKVREEF  
KELKARNTKKEGDLIAAQARLKDLEALLNSKEAALSTAL  
SEKRTLEGELHDLRGQVAKLEAALGEAKKQLQDEMLR  
RVDAENRLQTMKEELDFQKNYSEELRETKRRHETRL  
VEIDNGKQREFESRLADALQELRAQHEDQVEQYKKEK  
EKTYSAKLDNARQSAERNSNLVGAHEELQQSRIRIDS  
LSAQLSQLQKQLAAKEAKLRDLEDSLARERDTSRRLLA  
EKEREMAEMRARMQQQLDEYQELLDIKLALDMEIHAY  
RKLEGEERLRLSPSPTSQRSRGRASSHSSQTQGG  
GSVTKKRKLESTESRSSFQHARTSGRVAVEEVEDEEG  
KFVRLRNKSNEDQSMGNWQIKRQNGDDPLLYRFPF  
KFTLKAGQVVTIWAAGAGATHSPPTDLVWKAQNTWG  
CGNSLRTALINSTGEEVAMRKLVRVSVTVVEDEDEDG  
DDLLHHHGHSHCSSSGDPAEYNLRSRTVLCGTCGQP  
ADKASASGSGAQVGGPISSGSSASSVTVTRSRSYRSGV  
GSGGGSFGDNLVTRSYLLGNSSPRTQSPQNC SIM

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 100.5

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced

Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4000

**Gene Symbol:** LMNA

**Gene Alias:** CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, PRO1

**Gene Summary:** 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. Through alternate splicing, this gene encodes three type A lamin isoforms. 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. [provided by RefSeq]

**References:**

1. A whole cell assay to measure caspase-6 activity by detecting cleavage of lamin a/c. Mintzer R, Ramaswamy S, Shah K, Hannoush RN, Pozniak CD, Cohen F, Zhao X, Plise E, Lewcock JW, Heise CE. PLoS One. 2012;7(1):e30376. Epub 2012 Jan 12.
2. Proteomic Identification of Hsp70 as a new Plk1 Substrate in Arsenic Trioxide-Induced Mitotically Arrested Cells. Chen Y, Lin YP, Chow LP, Lee TC. Proteomics. 2011 Sep 2. doi: 10.1002/pmic.201100329. [Epub ahead of print]