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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
LNDRLAVYIDRVRSLETENAGRLRLITESEEVVSREVS
GIKAAEYAEELGDARKTLDSVAKERARLQLELSKVREEF
KELKARNTKKEGDLIAAQARLKDLEALLNSKEAALSTAL
SEKRTLEGELHDLRGQVAKLEAALGEAKKQLQDEMLR
RVDAENRLQTMKEELDFQKNYSEELRETKRRHETRL
VEIDNGKQREFESRLADALQELRAQHEDQVEQYKKEL
EKTYSAKLDNARQSAERNSNLVGAAHEELQQSRIRIDS
LSAQLSQLQKQLAAKEAKLRDLEDSLARERDTSRRLLA
EKEREMAEMRARMQQQLDEYQELLDIKLALDMEIHAY
RKLLEGEERLRLSPSPTSQRSRGRASSHSSQTQGG
GSVTKKRKLESTESRSSFSQHARTSGRVAVEEVDEEG
KFVRLRNKSNEDQSMGNWQIKRQNGDDPLLTYRFPP
KFTLKAGQVVTIWAAGAGATHSPPTDLVWKAQNTWG
CGNSLRTALINSTGEEVAMRKLVRSVTVVEDDEDEDG
DDLLHHHHGSHCSSSGDPAEYNLRSRTVLCGTCGQP
ADKASASGSGAQVGGPISSGSSASSVTVTRSYRSVG
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]