

Recombinant Human LMNB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LMNB2-1762H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LMNB2 MS Standard C13 and N15-labeled recombinant protein (NP_116126) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a B type nuclear lamin. 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. Mutations in this gene are associated with acquired partial lipodystrophy.
Molecular Mass	67.7 kDa
AA Sequence	MATPLPGRAGGPATPLSPTRL SRLQEKEELRELNDRLAHYIDRVRALELENDRLLLKI SEKEEVTTREVSGIKALYESELADARRVLDETARERARLQIEIGKLRAELDEVNKS AKREGELTVAQGRVKDLESFLHRSEVELAAALSDKRGLES DVAELRAQLAKAEDGHA VAKKQLEKETLMRVDLENRCQSLQEELDFRKSVFEEEVRETRRRHERRLVEVDSSR QQEYDFKMAQALEELRSQHDEQVRLYKLELEQTYQAKLDSAKLSSDQNDKAASAA REELKEARMRLESLSYQLSGLQKQASAAEDRIRELEEAMAGERDKFRKMLDAKEQE

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MTEMRDVMQQQLAEYQELLDVKLALDMEINAYRKLLLEGEEERLKLSPSPSSRVTVS
 RATSSSSGSLSATGRLGRSKRKRLVEEPLGSGPSVLGTGTGGSGGFHLAQQASA
 SGSVSIEEIDLEGKFVQLKNNSDKDQSLGNWRIKRQVLEGEIEIAYKFTP KYILRAGQM
 VTVWAAGAGVAHSPSTLVWKGQSSWGTGESFRTVLVNADGEEVAMRTVKKSSV
 MRENENGEEEEEEAEFGEDLFHQQGDPRTTSRGCYVMTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LMNB2 lamin B2 [Homo sapiens (human)]

Official Symbol LMNB2

Synonyms LMNB2; lamin B2; LMN2; lamin-B2; LAMB2; MGC2721;

Gene ID 84823

mRNA Refseq NM_032737

Protein Refseq NP_116126

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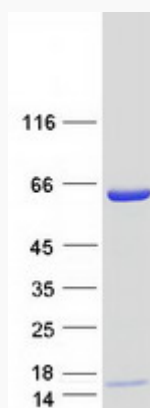
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MIM 150341

UniProt ID Q03252

SDS-PAGE



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