

Recombinant Full Length Human LMNB2 Protein, C-Flag-tagged

Cat. No. LMNB2-1361HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LMNB2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.5 kDa
AA Sequence	MSPPSPGRRREQRRPRAAATMATPLPGRAGGPATPLSPTRLSRLQEKEELRELND RLAHYIDRVRALEL ENDRLLLKISEKEEVTTREVSGIKALYESELADARRVLDETARE RARLQIEIGKLRAELDEVNKS AKKR EGELTVAQGRVKDLESLFHRSEVELAAALSDK RGLSDVAELRAQLAKAEDGHAVAKKQLEKETLMRVD LENRCQSLQEELDFRKSV FEEEVRETRRRHERRLVEVDSSRQQEYDFKMAQALEELRSQHDEQVRLYKL ELEQ

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TYQAKLDSAKLSSDQNDKAASAAREELKEARMRLESLSYQLSGLQKQASAAEDRIR
 ELEEAMAGE RDKFRKMLDAKEQEMTEMRDVMQQQLAEYQELLDVKLALDMEINAY
 RKLLEGEERLKLSPSPSSRVTV SRATSSSSGSLSATGRLGRSKRKRLEVEEPLGS
 GPSVLGTGTGGSGGFHLAQQASASGSVSIEEIDLEG KFVQLKNNSDKDQSLGNWRI
 KRQVLEGEEIAYKFTP KYILRAGQMVTVWAAGAGVAHSPSTLVWKGQS SWGTGE
 SFRTVLVNADGEEVAMRTVKKSSVMRENENGEEEEEEAEFG EEDLFHQGGDPRTT
 SRGCYVMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Full Length Full L.

GENE INFORMATION

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

Official Symbol LMNB2

Synonyms EPM9; LMN2; LAMB2; MCPH27

Gene ID 84823

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mRNA Refseq	NM_032737.4
Protein Refseq	NP_116126.3
MIM	150341
UniProt ID	Q03252

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