

Recombinant Mouse Lmnb2 Protein, MYC/DDK-tagged

Cat. No. Lmnb2-1326M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse lamin B2 (Lmnb2), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a protein component of the nuclear lamina, which provides a structural framework for the nuclear envelope. Defects in this gene were found to cause abnormalities in the shape of neurons. This locus represents one of two B-type lamin genes that may be partially, but not entirely, functionally redundant in neuronal development. Loss of both B-type lamin genes in keratinocytes results in ichthyosis and a skin barrier defect leading to dehydration. Alternative transcriptional initiation and splicing results in multiple transcript variants and protein isoforms, including an isoform with a shorter N-terminal rod domain that may function in nuclear envelope remodeling during spermatogenesis. A related pseudogene is found on chromosome 5.
Molecular Mass	67.3 kDa
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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Lmnb2 lamin B2 [Mus musculus (house mouse)]
Official Symbol	Lmnb2
Synonyms	Lmnb2; lamin B2; lamin-B2; lamin B3
Gene ID	16907
mRNA Refseq	NM_010722
Protein Refseq	NP_034852
UniProt ID	P21619

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