

## Recombinant Mouse Lmna Protein, MYC/DDK-tagged

Cat. No. Lmna-1324M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse lamin A (Lmna), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a protein that is a member of the lamin family. Nuclear lamins, intermediate filament-like proteins, are the major components of the nuclear lamina, a protein meshwork associated with the inner nuclear membrane. This meshwork is thought to maintain the integrity of the nuclear envelope, participate in chromatin organization, and regulate gene transcription. Vertebrate lamins consist of two types, A and B. This protein is an A-type and is proposed to be developmentally regulated. In mouse deficiency of this gene is associated with muscular dystrophy. Mouse lines with different mutations in this gene serve as pathophysiological models for several human laminopathies. In humans, 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. Alternative splicing results in multiple transcript variants that encode different protein isoforms.</p>
<b>Molecular Mass</b>	74.2 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lmna lamin A [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Lmna</a>
<b>Synonyms</b>	Lmna; lamin A; Dhe; prelamin-A/C; lamin C; lamin-A/C
<b>Gene ID</b>	<a href="#">16905</a>
<b>mRNA Refseq</b>	<a href="#">NM_001002011</a>
<b>Protein Refseq</b>	<a href="#">NP_001002011</a>
<b>UniProt ID</b>	<a href="#">P48678</a>

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