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## Datasheet for ABIN2669331 Lamin A/C Protein (LMNA)

### Overview

Quantity:	100 µg
Target:	Lamin A/C (LMNA)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Characteristics:	Recombinant human lamin A is a 645 amino acids protein with a molecular weight of 70 kDa.
Purity:	> 90 %

### Target Details

Target:	Lamin A/C (LMNA)
Alternative Name:	Lamin A ( <a href="#">LMNA Products</a> )

**Background:** Lamin A is a major component of the nuclear lamina, a dynamic meshwork located just under the nuclear envelope and it is encoded by lamin A/C gene (LMNA). Lamin A is synthesized as a longer precursor, prelamin A (code REP0038), that in vivo undergoes to serial post-translational modifications that lead to mature lamin A. Different mutations in the LMNA gene have been associated with different diseases that are collectively called laminopathies, including Emery-Dreifuss muscular dystrophy, familiar partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.

## Target Details

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Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [ER-Nucleus Signaling](#), [Protein targeting to Nucleus](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: 20 mM phosphate buffer pH 7.0, 0.5M NaCl, 1 mM DTT, 1.5 mM EDTA, 20 % (v/v) glycerol

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Storage: -20 °C