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Datasheet for ABIN2669331

Lamin A/C Protein (LMNA)

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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 (LMNA Products)
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 laminophaties, including Emery-Dreifuss muscular dystrophy, familiar partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.

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Target Details

Pathways:	Apoptosis, Caspase Cascade in Apoptosis, ER-Nucleus Signaling, Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	20 mM phosphate buffer pH 7.0, 0.5M NaCl, 1 mM DTT, 1.5 mM EDTA, 20 % (v/v) glycerol
Storage:	-20 °C

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