Datasheet for ABIN2724476

Lamin A/C Protein (LMNA) (Transcript Variant 1) (Myc-DYKDDDDK Tag)

1 Image

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Overview

Quantity:	20 µg
Target:	Lamin A/C (LMNA)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lamin A/C protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human Lamin-A/C (LMNA) (transcript variant 1) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Lamin A/C (LMNA)
Alternative Name:	Lamin-A/c (Lmna) (LMNA Products)
Background:	Prelamin-A/C can accelerate smooth muscle cell senescence. It acts to disrupt mitosis and induce DNA damage in vascular smooth muscle cells (VSMCs), leading to mitotic failure, genomic instability, and premature senescence. [UniProtKB/Swiss-Prot Function]

Target Details

Molecular Weight:	74 kDa
NCBI Accession:	NP_733821
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, ER-Nucleus Signaling, Protein targeting to Nucleus

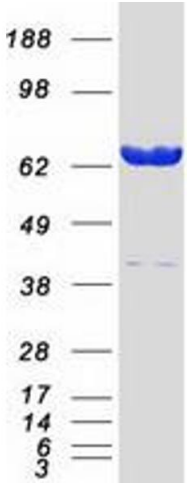
Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot