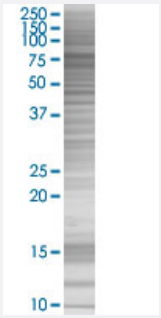
LMNA 293T Cell Transient Overexpression Lysate(Denatured)

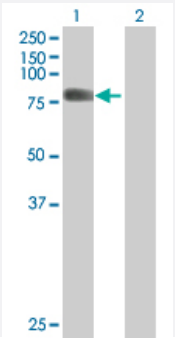
Catalog # H00004000-T01 Size 100 uL

Applications



SDS-PAGE Gel

LMNA transfected lysate.



Western Blot

Lane 1: LMNA transfected lysate (74.1 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-LMNA full-length
Host	Human
Theoretical MW (kDa)	74.1
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-LMNA antibody (H00004000-B01) by Western Blots. SDS-PAGE Gel LMNA transfected lysate. Western Blot Lane 1: LMNA transfected lysate (74.1 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — LMNA

Entrez GeneID	4000
GeneBank Accession#	NM_170707.1
Protein Accession#	-
Gene Name	LMNA
Gene Alias	CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, PRO1
Gene Description	lamin A/C
Omim ID	115200 150330 151660 159001 176670 181350 248370 275210 277700 604929 605588 607920 608056
Gene Ontology	Hyperlink
Gene Summary	The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Through alternate splicing, this gene encodes three type A lamin isoforms. 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. [provided by RefSeq
Other Designations	70 kDa lamin|OTTHUMP00000015843|OTTHUMP00000015848

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)

- Hypertrophic cardiomyopathy (HCM)

Disease

- Aging
- Alzheimer disease
- Arrhythmia
- Atherosclerosis
- Atrial Fibrillation
- Calcinosis
- Cardiomyopathy
- Cardiovascular Diseases
- Cerebrovascular Disorders
- Charcot-Marie-Tooth Disease
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Death
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Genetic Predisposition to Disease
- Heart Failure
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertriglyceridemia

- Insulin Resistance
- Kidney Failure
- Metabolic Syndrome X
- Obesity
- Polycystic Ovary Syndrome
- Syndrome
- Ventricular Dysfunction