9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LMNA Rat

Lamin A/C Rat Recombinant
RCP1255

Product Overview

Name	LMNA Rat
Description	
Lamin A/C Rat Recombinant	
Accession (Primary)	P48679
Synonyms	
Prelamin-A/C, Lamin-A/C, 70 kDa lamin, LMNA, LMN1, Renal carcinoma antigen NY-REN-32, Progerin.	
Introduction	
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 Prelamin A, a longer precursor that in vivo goes through a serial post-translational modifications that lead to mature Lamin A. Diverse mutations in the Lamin A/C gene are 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The LMNA solution contains 20mM Tris-HCl pH 7.5, 1mM DTT, 0.3M NaCl, 1.5mM EDTA and 10%(v/v) glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
METPSQRRAT RSGAQASSTP LSPTRITRLQ EKEDLQELND RLAVYIDRVR SLETENAGLR LRITESEEVV SREVSGIKAA YEAELGDARK TLDSVAKERA RLQLELSKVR EEFKELKARN TKKEGDLLAA QARLKDLEAL LNSKEAALST ALSEKRTLEG ELHDLRGQVA KLEAALGEAK KQLQDEMLRR VDAENRLQTL KEELDFQKNI	

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YSEELRETKR RHETRLVEID NGKQREFESR LADALQELRA QHEDQVEQYK KELEKTYSAK LDNARQSAER NSNLVGAAHE ELQQSRIRID SLSAQLSQLQ KQLAAKEAKL RDLEDSLARE RDTSRRLLAE KEREMAEMRA RMQQQLDEYQ ELLDIKLALD MEIHAYRKLL EGEEERLRLS PSPTSQRSRG RASSHSSQSQ GGGSVTKKRK LESSESRSSF SQHARTSGRV AVEEVDEEGK FVRLRNKSNE DQSMGNWQIR RQNGDDPLMT YRFPPKFTLK AGQVVTIWAS GAGATHSPPT DLVWKAQNTW GCGSSLRTAL INATGEEVAM RKLVRSLTMV EDDEDEDGDD LLHHHHGSHC SSSGDPAEYN LRSRTVLCGT CGQPADKASA SGSGAQVSSQ NCSIM

Precautions

LMNA Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P48679)