

RPF550Hu01 50µg

Recombinant Lamin A/C (LMNA)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Glu422

Tags: N-terminal His Tag

Subcellular Location: Nucleus

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 100µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 7.2

Predicted Molecular Mass: 52.2kDa

Accurate Molecular Mass: 52kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.3 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

METPSQRRAT	RSGAQASSTP	LSPTRITRLQ	EKEDLQELND	RLAVYIDRVR
SLETENAGLR	LRITSEEEVV	SREVSGIKAA	YEAELGDARK	TLDSVAKERA
RLQLELSKVR	EEFKELKARN	TKKEGDLIAA	QARLKDLEAL	LNSKEAALST
ALSEKRTLEG	ELHDLRGQVA	KLEAALGEAK	KQLQDEMLRR	VDAENRLQTM
KEELDFQKNI	YSEELRETKR	RHETRLVEID	NGKQREFESR	LADALQELRA
QHEDQVEQYK	KELEKTYSAK	LDNARQSAER	NSNLVGAAHE	ELQQSRIRID
SLSAQLSQLQ	KQLAAKEAKL	RDLEDSLARE	RDTSRRLAE	KEREMAEMRA
RMQQQLDEYQ	ELLDIKLALD	MEIHAYRKLL	EGEEERLRLS	PSPTSQRSRG
RASSHSSQTQ	GGGSVTKKRK	LE		

[IDENTIFICATION]

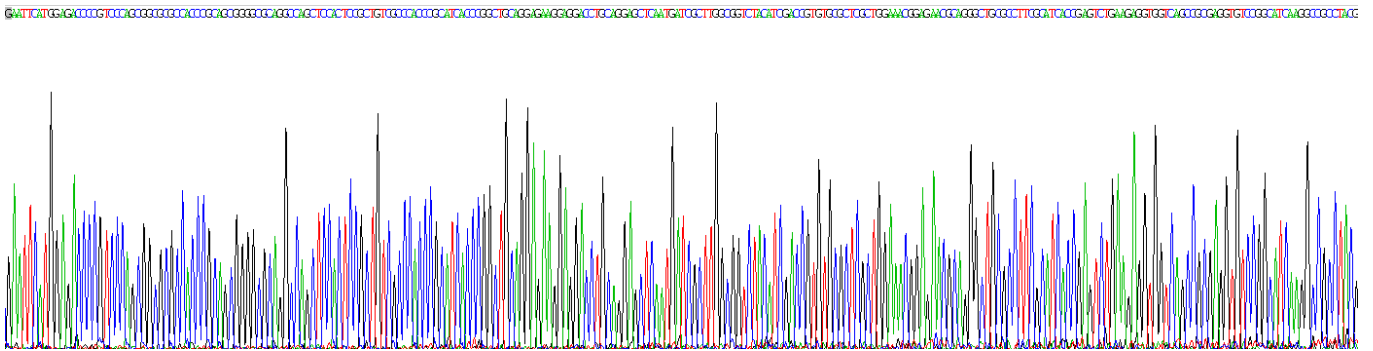


Figure . Gene Sequencing (extract)

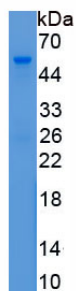


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.