

## OriGene Technologies, Inc.

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## Product datasheet for RC201809L4V

## Lamin A (LMNA) (NM\_005572) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

Product Name:Lamin A (LMNA) (NM_005572) Human Tagged ORF Clone Lentiviral ParticleSymbol:Lamin ASymonyms:CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1Mammalian Cell Belection:PuromycinVector:putorsymonVector:putorsymonAGCN:MJ_005572ORF Fize:1716 bpORF Insert of this clone is exactly the same as(RC201809).Sequence:The onlecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoOrl Annotation:Nin Slone sequenced to express the complete ORF with an expression tag. Expression variants is recommended prior to use. More infoRefSeq ORF:Nin Slone sequence of the gene.RefSeq ORF:1019 bpLocus ID:4000UniProt ID:92545Corus92545Chargenetics:92545Orl Annotation:92545Locus ID:92545Locus ID:92545 <t< th=""><th>Product Type:</th><th>Lentiviral Particles</th></t<>	Product Type:	Lentiviral Particles
Synonyms:CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1Mammalian Cell Selection:PuromycinVector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_005572ORF Size:1716 bpORF Nucleotide Sequence:The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression variates depending on the nature of the gene.RefSeq:NM_005572.2RefSeq ORF:1719 bpLocus ID:4000UniProt ID:P02545Cytogenetics:1q22	Product Name:	Lamin A (LMNA) (NM_005572) Human Tagged ORF Clone Lentiviral Particle
LetterLMN1; LMN2; LMNL1; MADA; PR01Mammalian Cell Selection:PuromycinVector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_005572ORF Size:1716 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC201809).OTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoOTI Annotation:NM_005572.2RefSeq:NM_005572.2RefSeq ORF:1719 bpLocus ID:4000UniProt ID:902545Cytogenetis:192245	Symbol:	Lamin A
Selection:Vector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_005572ORF Size:1716 bpORF NucleotideThe ORF insert of this clone is exactly the same as(RC201809).Sequence:The molecular sequence of this clone aligns with the gene accession number as point of reference only. However, individual transcript sequences of the same gene can differ through autually occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq Size:0077 bpRefSeq ORF:119 bpLocus ID:4000UniProt ID:02545(ytogenetics:1q22	Synonyms:	
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ORF Size:716 bpORF NucleotideThe ORF insert of this clone is exactly the same as(RC201809).Sequence:The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM 005572.2RefSeq Size:2077 bpRefSeq ORF:1719 bpLocus ID:4000UniProt ID:P02545Qtgenetics:1q22	Tag:	mGFP
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Locus ID: 4000   UniProt ID: P02545   Cytogenetics: 1q22	RefSeq Size:	2077 bp
UniProt ID:     P02545       Cytogenetics:     1q22	RefSeq ORF:	1719 bp
Cytogenetics: 1q22	Locus ID:	4000
	UniProt ID:	<u>P02545</u>
Domains: IF_tail, filament	Cytogenetics:	1q22
	Domains:	IF_tail, filament



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<b>ORIGENE</b> Lamin A (LMNA) (NM_005572) Human Tagged ORF Clone Lentiviral Particle – RC201809L4V	
Protein Families:	Druggable Genome
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
MW:	65.1 kDa
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. Alternative splicing results in multiple transcript variants. 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, Apr 2012]

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