

Product datasheet for **RC200190L4V**

SIRT3 (NM_012239) Human Tagged ORF Clone Lentiviral Particle

Product data:

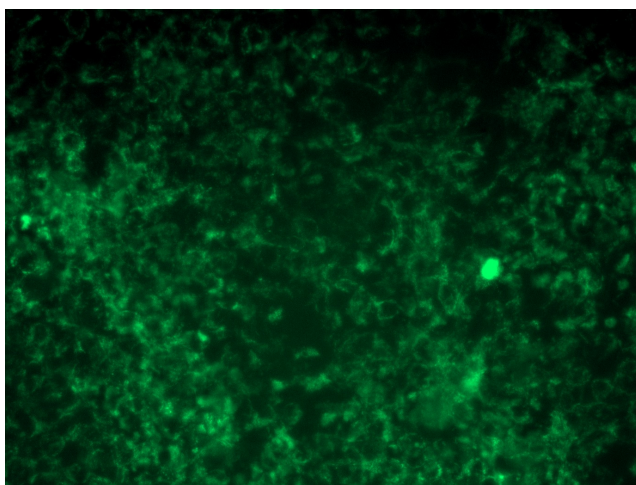
Product Type:	Lentiviral Particles
Product Name:	SIRT3 (NM_012239) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SIRT3
Synonyms:	SIR2L3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012239
ORF Size:	1197 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200190).
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 info
OTI 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_012239.4
RefSeq Size:	2919 bp
RefSeq ORF:	1200 bp
Locus ID:	23410
UniProt ID:	Q9NTG7
Cytogenetics:	11p15.5
Domains:	SIR2
Protein Families:	Druggable Genome, Transcription Factors


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MW: 43.6 kDa

Gene Summary: SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]

Product images:



[RC200190L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC200190L4V particle to overexpress human SIRT3-mGFP fusion protein.