

Product datasheet for **RC202833L2V**

SIRT6 (NM_016539) Human Tagged ORF Clone Lentiviral Particle

Product data:

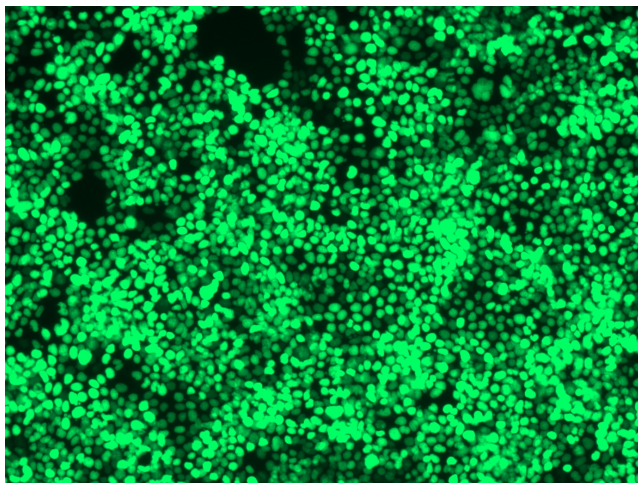
Product Type:	Lentiviral Particles
Product Name:	SIRT6 (NM_016539) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SIRT6
Synonyms:	SIR2L6
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016539
ORF Size:	1065 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202833).
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_016539.1
RefSeq Size:	1657 bp
RefSeq ORF:	1068 bp
Locus ID:	51548
UniProt ID:	Q8N6T7
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	39.1 kDa



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Gene Summary:

This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]

Product images:

[RC202833L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC202833L2V particle to overexpress human SIRT6-mGFP fusion protein.