

Product datasheet for **RC217770L2V**

SIRT3 (NM_001017524) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SIRT3 (NM_001017524) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SIRT3 |
| Synonyms: | SIR2L3 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_001017524 |
| ORF Size: | 1197 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217770). |
| 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_001017524.2 , NP_001017524.1 |
| RefSeq Size: | 2773 bp |
| RefSeq ORF: | 774 bp |
| Locus ID: | 23410 |
| UniProt ID: | Q9NTG7 |
| Cytogenetics: | 11p15.5 |
| Protein Families: | Druggable Genome, Transcription Factors |
| MW: | 43.6 kDa |



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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]