

Product datasheet for **RC219818L2V**

SESN3 (NM_144665) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SESN3 (NM_144665) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SESN3 |
| Synonyms: | SEST3 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_144665 |
| ORF Size: | 1476 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219818). |
| 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_144665.2 |
| RefSeq Size: | 1987 bp |
| RefSeq ORF: | 1479 bp |
| Locus ID: | 143686 |
| UniProt ID: | P58005 |
| Cytogenetics: | 11q21 |
| Domains: | PA26 |
| Protein Pathways: | p53 signaling pathway |



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MW: 57.1 kDa

Gene Summary: This gene encodes a member of the sestrin family of stress-induced proteins. The encoded protein reduces the levels of intracellular reactive oxygen species induced by activated Ras downstream of RAC-alpha serine/threonine-protein kinase (Akt) and FoxO transcription factor. The protein is required for normal regulation of blood glucose, insulin resistance and plays a role in lipid storage in obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]