

Product datasheet for **RC216655L4V**

Sumo 1 (SUMO1) (NM_001005782) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Sumo 1 (SUMO1) (NM_001005782) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Sumo 1 |
| Synonyms: | DAP1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; UBL1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001005782 |
| ORF Size: | 228 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216655). |
| 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_001005782.1 |
| RefSeq Size: | 1452 bp |
| RefSeq ORF: | 231 bp |
| Locus ID: | 7341 |
| UniProt ID: | P63165 |
| Cytogenetics: | 2q33.1 |
| Protein Families: | Druggable Genome, Stem cell - Pluripotency, Transcription Factors |
| MW: | 8.6 kDa |



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Gene Summary:

This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]