

Product datasheet for **RC227241L4V**

SGT1 (ECD) (NM_001135752) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | SGT1 (ECD) (NM_001135752) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SGT1 |
| Synonyms: | GCR2; HSGT1; SGT1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001135752 |
| ORF Size: | 2031 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC227241). |
| 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_001135752.1 , NP_001129224.1 |
| RefSeq ORF: | 2034 bp |
| Locus ID: | 11319 |
| UniProt ID: | O95905 |
| Cytogenetics: | 10q22.2 |
| Protein Families: | Druggable Genome, Transcription Factors |
| MW: | 76.3 kDa |



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Gene Summary:

Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP (PubMed:16849563, PubMed:23880345). May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes (PubMed:19919181, PubMed:9928932). Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins (PubMed:19640839). The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex (PubMed:26711270). May play a role in regulation of pre-mRNA splicing (PubMed:24722212).[UniProtKB/Swiss-Prot Function]