

Product datasheet for **RC227241**

SGT1 (ECD) (NM_001135752) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SGT1 (ECD) (NM_001135752) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SGT1 |
| Synonyms: | GCR2; HSGT1; SGT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC227241 representing NM_001135752
 Red=Cloning site Blue=ORF Green=Tags(s)

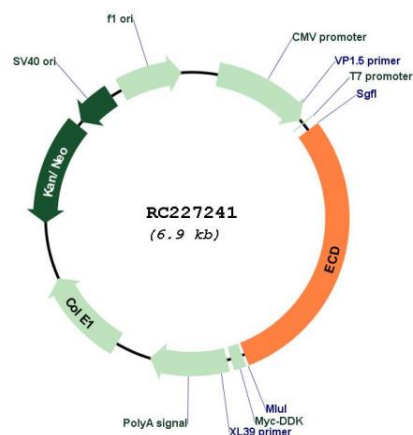
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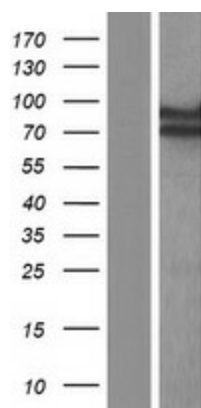
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_001135752.1, NP_001129224.1</u> |
| RefSeq ORF: | 2034 bp |
| Locus ID: | 11319 |
| UniProt ID: | <u>O95905</u> |
| Cytogenetics: | 10q22.2 |
| Protein Families: | Druggable Genome, Transcription Factors |
| MW: | 76.3 kDa |
| 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] |

Product images:



Circular map for RC227241



Western blot validation of overexpression lysate (Cat# [LY427697]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227241 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).