

Product datasheet for **RG200384**

SGT1 (ECD) (NM_007265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGT1 (ECD) (NM_007265) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SGT1
Synonyms:	GCR2; HSGT1; SGT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200384 representing NM_007265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAACCATGAAGCTTGCTACGATGGAAGACACAGTGGAGTACTGCCTGTTCTGATACAGATG
 AGTCAAGGGACTCAGATAAACATAAAGAGATTCTTCAGAAGTACATTGAGAGAATAATCACTCGGTTTGC
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 GTTAATAGAAGCTGCTGACTTTCTCCCTAAATGGCTGGATCCTGAAAATAGCACCAATAGGGTATTTTTTC
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 AACACTTGATAATCTCAAGTCATACATGGCCCAGATGGACCAGGAAGTACACACACCTGCATCAGCAA
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 CTATAGCTCCCAAGCTGGACTGGCAGGACCTGTTCCAATCTTTTACAAAGCATGGGAGTGCAGTGCCT
 GACAACACCGATCACAGACCAACAAGTAAGCCAACAAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200384 representing NM_007265
 Red=Cloning site Green=Tags(s)

MEETMKLATMEDTVEYCLFLIPDES RSDSKHKEILQKYIERIITRFAPMLVPYIWQNQPFNLKYKPGKGG
 VPAHMFVTKFGDNI EDEWFIVYVIKQITKEFPELVARIEDNDGEFLLEAADFLPKWLDPENSTNRVFF
 CHGELCIIPAPRKSGAESWLPTTPPTIPQALNIIITAHSEKILASESIRA AVNRRIRGYPEKIQASLHRAH
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 YFDKILGPRPNESDSDLLDDEDFECLDSDDDLDFETHEPGEEASLKGTL DNLKSYMAQMDQELAHTCISK
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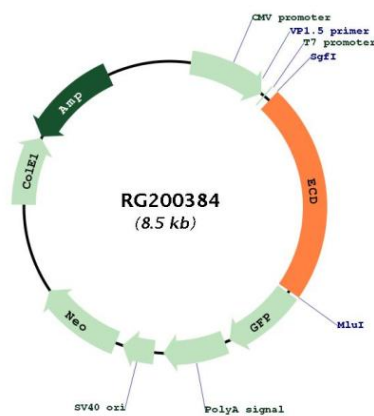
TRTRPLE – GFP Tag – V

Cytogenetics: 10q22.2

Protein Families: Druggable Genome, Transcription Factors

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 RG200384