

## Product datasheet for TP300384

### SGT1 (ECD) (NM\_007265) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ecdysoless homolog (Drosophila) (ECD), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200384 protein sequence Red=Cloning site Green=Tags(s)

MEETMKLATMEDTVEYCLFLIPDES RSDSKHKEILQKYIERIITRFAPMLVPYIWQNQPFLNKYKPGKGG  
VPAHMFVGTKFGDNIEDEWFIVYVIKQITKEFPELVARIEDNDGEFLLEAADFLPKWLDPENSTNRVFF  
CHGELCIIPAPRKSGAESWLPTTPTIPQALNIITAHSEKILASESIRAAVNRRIRGYPEKIQASLHRAH  
CFLPAGIVAVLKQRPRLVAAAVQAFYLRDPIDLRACRVFKTFLPETRIMTSVTFTKCLYAQLVQQRFPD  
RRSGYRLPPSPDPQYRAHELGMKLAHGFEILCSKCSPHFSDCKKSLVTASPLWASFLES LKKN DYFKGLI  
EGSAQYRERLEMAENYFQLSVDWPESLAMPSPGEEILTLLQTIPFDIEDLKKEAANLPPEDDDQWLDLSP  
DQLDQLLQEA VGKKESESVSKEEKEQNYDLTEVSESMKAFISKVSTHKGAE LPREPSEAPITFDADSFLN  
YFDKILGPRPNESDSDLDDEDFECLDSDDDLDLFETHEPGEEASLKGTLNLSYMAQMDQELAHTCISK  
SFTTRNQVEPVSQT TDNNSDEEDSGTGESVMAPVDVLDLNLVSNILESSYSSQAGLAGPASNLLQSMGVQLP  
DNTDHRPTSKPTKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

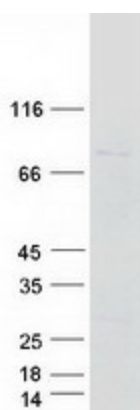
Tag:	C-Myc/DDK
Predicted MW:	72.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_009196</u>
<b>Locus ID:</b>	11319
<b>UniProt ID:</b>	<u>O95905</u>
<b>RefSeq Size:</b>	2280
<b>Cytogenetics:</b>	10q22.2
<b>RefSeq ORF:</b>	1932
<b>Synonyms:</b>	GCR2; HSGT1; SGT1
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified ECD protein (Cat# TP300384). The protein was produced from HEK293T cells transfected with ECD cDNA clone (Cat# [RC200384]) using MegaTran 2.0 (Cat# [TT210002]).