

## Product datasheet for TP300384L

### 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, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC200384 protein sequence<br>Red=Cloning site Green=Tags(s)                                   |

MEETMKLATMEDTVEYCLFLIPDES RSDSKHKEILQKYIERIITRFAPMLVPYIWQNQPFLNKYKPGKGG  
VPAHMFVGTKFGDNIEDEWFIVYVIKQITKEFPELVARIEDNDGEFLLEAADFLPKWLDPENSTNRVFF  
CHGELCIIPAPRKSGAESWLPTTPTIPQALNIITAHSEKILASESIRAAVNRRIRGYPEKIQASLHRAH  
CFLPAGIVAVLKQRPRLVAAAVQAFYLRDPIDLRACRVFKTFLPETRIMTSVTFTKCLYAQLVQQRFPD  
RRSGYRLPPSPDPQYRAHELGMKLAHGFEILCSKCSPHFSDCKKSLVTASPLWASFLESLKKNDFKGLI  
EGSAQYRERLEMAENYFQLSVDWPESLAMSPEGEEILTLLQTIPFDIEDLKKEAANLPPEDDDQWLDLSP  
DQLDQLLQEA VGKKESESVSKEEKEQNYDLTEVSESMKAFISKVSTHKGAE LPREPSEAPITFDADSFLN  
YFDKILGPRPNESDSDLDLDEDFECLDSDDDLDLFETHEPGEEASLKGTLNLSYMAQMDQELAHTCISK  
SFTTRNQVEPVSQT TDNNSDEEDSGTGESVMAPVDVLDLNLVSNILESSYSSQAGLAGPASNLLQSMGVQLP  
DNTDHRPTSKPTKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

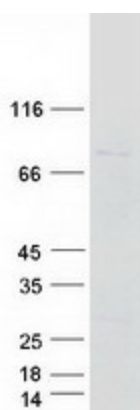
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 72.6 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 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>           | <a href="#">NP_009196</a>  |
| <b>Locus ID:</b>         | 11319  |
| <b>UniProt ID:</b>       | <a href="#">O95905</a>   |
| <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]).