

Product datasheet for TP300384M

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, 100 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
RRSGYRLPPSPDPQYRAHELGMKLAHGFEILCSKCSPHFSDCKKSLVTASPLWASFLESLKKNDFKGLI
EGSAQYRERLEMAENYFQLSVDWPESLAMSPEGEEILTLLQTIPFDIEDLKKEAANLPPEDDDQWLDLSP
DQLDQLLQEA VGKKESESVSKEEKEQNYDLTEVSESMKAFISKVSTHKGAE LPREPSEAPITFDADSFLN
YFDKILGPRPNESDSDLDDEDFECLDSDDDLDFETHEPGEEASLKGTLNLSYMAQMDQELAHTCISK
SFTTRNQVEPVSQT TDNNSDEEDSGTGESVMAPVDVLDNLVSNILESSYSSQAGLAGPASNLLQSMGVQLP
DNTDHRPTSKPTKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

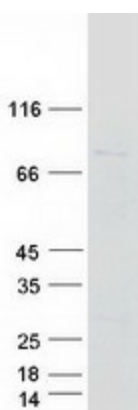
Tag:	C-Myc/DDK
Predicted MW:	72.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_009196
Locus ID:	11319
UniProt ID:	O95905
RefSeq Size:	2280
Cytogenetics:	10q22.2
RefSeq ORF:	1932
Synonyms:	GCR2; HSGT1; SGT1
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]
Protein Families:	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]).