

# Recombinant human SGT1/SUGT1 protein

Catalog Number: ATGP0899

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

115-365aa

**UniProt No.**

Q9Y2Z0

**NCBI Accession No.**

NP\_001124384

**Alternative Names**

Suppressor of G2 allele of SKP1 homolog isoform SGT1B, SGT1, SGT1 homolog, MIS12 kinetochore complex assembly cochaperone, Protein SGT1 homolog, Protein 40-6-3

## PRODUCT SPECIFICATION

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**Molecular Weight**

30.7 kDa (272aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 1mM DTT, 0.1M NaCl

**Purity**

&gt; 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

SuGT1, also known as suppressor of G2 allele of SKP1, is a homolog of the yeast protein SGT1, a regulator of the cell cycle that is essential for G1/S and G2/M transitions. It contains a CS domain, a SGS domain, a p23 domain and three tetratricopeptide repeats (TPR). This protein associates with Skp1 p19 and CuL-1, subunits of the SCF ubiquitin ligase complex, and is thought to play a role in protein degradation. In addition, it is required for the kinetochores assembly, and has function as a co-chaperone for HSP90. Recombinant human SuGT1 protein,

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fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

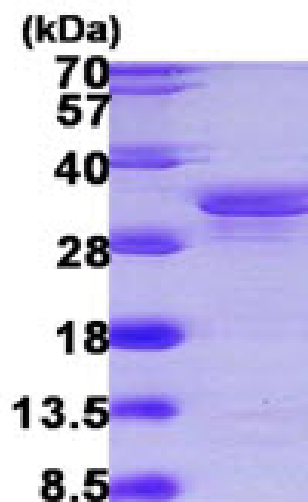
MGSSHHHHHH SSSLVPRGSH MHRVGQAGLQ LLTSSDPPAL DSQSAGITGA DANFSVWIKR CQEAQNGSES  
EVLTHQSKIK YDWYQTESQV VITLMIKNVQ KNDVNVFSE KELSALVKLP SGEDYNLKE LLHPHPEQS TFKVLSTKIE  
IKLKKPEAVR WEKLEGQGDV PTPKQFADV KNLYPSSSPY TRNWDKLVGE IKKEEKNEKL EGDAALNRLF QQIYSDGSDE  
VKRAMNKSFM ESGGTVLSTN WSDVGKRKVE INPPDDMEWK KY

### General References

Spiechowicz M., et al. (2006). *Neurochem. Int.* 49: 487-493.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 $\mu$ g)