

Recombinant human SGT1/SUGT1 protein

Catalog Number: ATGP0899

PRODUCT INFORMATION

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

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

> 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

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

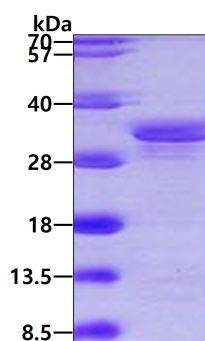
<MGSSHHHHHH SSGLVPRGSH M>HRVGQAGLQ LLTSSDPPAL DSQSAGITGA DANFSVWIKR CQEAQNGSES
EVWTHQSKIK YDWYQTESQV VITLMIKNVQ KNDVNVEFSE KELSALVKLP SGEDYNLKE LLHPPIPEQS TFKVLSTKIE
IKLKKPEAVR WEKLEGQGDV PTPKQFVADV KNLYPSSSPY TRNWDKLVGE IKEEEKNEKL EGDAALNRLF QQIYSDGSDE
VKRAMNKSFM ESGGTVLSTN WSDVGKRKVE INPPDDMEWK KY

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.