
Product Data Sheet

Product Name: SUGT1 Human
 Cat. No.: GP24748
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SGT1; suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>); SGT1; Putative 40-6-3 protein; SGT1B protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MHRVGQAGLQ LLTSSDPPAL DSQSAGITGA DANFSVWIKR CQEAQNGSES EVWTHQSKIK YDWYQTESQVVITLMIKNVQ KNDVNVEFSE KELSALVKLP SGEDYNLKLE LLHPIPEQS TFKVLSTKIE IKLKKPEAVR WEKLEGQGDV PTPKQFVADVKNLYPSSSPY TRNWDKLVGE IKEEEKNEKL EGDAALNRLF QQIYSDGSDE VKRAMNKSFM ESGGTVLSTN WSDVGKRKVE INPPDDMEWKY		
Formulation	The SGT1 protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.		

Introduction

SUGT1 is homolog to yeast protein SGT1, a regulator of the cell cycle which is vital for G1/S and G2/M transitions. SUGT1 holds a CS domain, a SGS domain, a p23 domain and three tetratricopeptide repeats (TPR). SUGT1 protein associates with Skp1 p19 and CUL-1, subunits of the SCF ubiquitin ligase complex, and is believed to take a part in protein degradation. Furthermore, SUGT1 is essential for the kinetochores assembly, and has a role as a co-chaperone for HSP90.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Background

SGT1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (115-365.a.a) and having a molecular mass of 30.7kDa. SGT1 is fused to a

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21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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