

Recombinant Human SUGT1 protein, His-tagged

Cat. No. SUGT1-3437H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUGT1(115-365aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	115-365 a.a.
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT, 0.1M NaCl
Molecular Mass	30.7 kDa (272aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MVITLMIKNVQ KNDVNVEFSE KELSALVKLP SGEDYNLKLE LLHPIPEQS TFKVLSTKIE IKLKKPEAVR WEKLEGQGDV PTPKQFVADV HRVGQAGLQ LLTSSDPPAL DSQSAGITGA DANFSVWIKR CQEAQNGSES EVWTHQSKIK YDWYQTESQVKNLYPSSSPY TRNWDKLVGE

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IKEEEKNEKL EGDAALNRLF QQIYSDGSDE VKRAMNKSFM ESGGTVLSTN
WSDVVGKRKVE INPPDDMEWKKY

Purity >90% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SUGT1 SGT1, suppressor of G2 allele of SKP1 (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol SUGT1

Synonyms SUGT1; SGT1, suppressor of G2 allele of SKP1 (*S. cerevisiae*); suppressor of G2 allele of SKP1 homolog; SGT1; SGT1B protein; putative 40-6-3 protein; suppressor of G2 allele of SKP1, *S. cerevisiae*, homolog of;

Gene ID 10910

mRNA Refseq NM_001130912

Protein Refseq NP_001124384

MIM 604098

UniProt ID Q9Y2Z0

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**Chromosome
Location**

13q12.2-q13.3

Pathway

Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; NOD-like receptor signaling pathway, organism-specific biosystem; NOD-like receptor signaling pathway, conserved biosystem; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways, organism-specific biosystem; The NLRP3 inflammasome, organism-specific biosystem;

Function

binding;

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