

## Recombinant Human SGTA, His-tagged

Cat. No. SGTA-2359H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SGTA protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 35.1 kDa (321 aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	SGTA, also known as SGT or hSGT, is a ubiquitously expressed protein that contains three TPR protein-protein interaction repeats. This protein is believed to function as a component of the androgen receptor (AR)-chaperone-cochaperone complex, acting as a cochaperone involved in androgen signaling. In addition, SGTA functions as a cochaperone that binds directly to HSC70 and HSP70 and regulates their ATPase activity. On the basis of its role in apoptosis and androgen signaling, SGTA is a potential candidate for PCOS (polycystic ovary syndrome), a disorder characterized by androgen excess, obesity and menstrual disturbances.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MDNKKRLAYA IIQFLHDQLR HGGLSSDAQE SLEVAIQCLE TAFGVTVEDS DLALPQTLPE IFEAAATGKE MPQDLRSPAR TPPSEEDSAE AERLKTEGNE

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QMKVENFEAA VHFYGKAIEL NPANAVYFCN RAAAYSKLGN YAGAVQDCER  
 AICIDPAYSK AYGRMGLALS SLNKHVEAVA YYKKALELDP DNETYKSNLK  
 IAELKLREAP SPTGGVGSFD IAGLLNNPGF MSMASNLMMN PQIQQLMSGM  
 ISGGNNPLGT PGTSPSQNDL ASLIQAGQQF AQQMQQQNPE LIEQLRSQIR  
 SRTPSASNDD QQELEHHHHH H.

**Storage**

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

**GENE INFORMATION**
**Gene Name**

SGTA small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha [ Homo sapiens ]

**Synonyms**

SGTA; small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha; SGT; hSGT; alphaSGT; small glutamine-rich tetratricopeptide; protein containing three tetratricopeptide repeats

**Gene ID**

6449

**mRNA Refseq**

NM\_003021

**Protein Refseq**

NP\_003012

**MIM**

603419

**UniProt ID**

O43765

**Chromosome Location**

19p13

**Function**

protein binding

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