

Recombinant Human SGTA, His-tagged

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

SPECIFICATION

Product Overview	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 (321aa).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MDNKKRLAYA IIQFLHDQLR HGGLSSDAQE SLEVAIQCLE TAFGVTVEDS DLALPQTLPE IFEAAATGKE MPQDLRSPAR TPPSEEDSAE AERLKTEGNE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QMKVENFEAA VHFYGKAIEL NPANAVYFCN RAAAYSKLGN YAGAVQDCER
 AICIDPAYSK AYGRMGLALS SLNKHVEAVA YYKKALELDP DNETYKSNLK
 IAEKLRAP SPTGGVGSFD IAGLLNNPGF MSMASNLMMN PQIQQLMMSGM
 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA