9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SGTA Human

Small Glutamine-Rich Tetratricopeptide Repeat-Containing Protein Alpha Human Recombinant
RCP2079

Product Overview

Name	SGTA Human
Description	
Small Glutamine-Rich Tetratricopeptide Repeat-Containing Protein Alpha Human Recombinant	
Accession (Primary)	O43765
Synonyms	
alphaSGT, hSGT, SGT, Vpu-binding protein, UBP, Small glutamine-rich tetratricopeptide repeat-containing protein alpha, Alpha-SGT, SGT1.	
Introduction	
SGTA is a ubiquitously expressed protein that contains three TPR protein-protein interaction duplicates. SGTA takes part as a component of the androgen receptor (AR)-chaperone-cochaperone complex, functions as a cochaperone and participates in androgen signaling. SGTA binds directly to HSC70 and HSP70 and mediates their ATPase activity. SGTA gene encodes a protein that is able to interact with the chief nonstructural protein of parvovirus H-1 and 70-kDa heat shock cognate. In addition, SGTA interacts with Vpu and Gag from HIV-1, SARS-CoV accessory protein 7a, DNAJC5 and DNAJC5B. Since this transcript is expressed universally in several tissues, SGTA serves a housekeeping function. While being involved in apoptosis and androgen signaling, SGTA is a possible molecule for polycystic ovary syndrome, a disorder characterized by androgen excess, obesity and menstrual disturbances.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
SGTA Human solution containing 20mM Trsi HCL pH-8, 1mM DTT and 10% glycerol.	
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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MDNKKRLAYA IIQFLHDQLR HGGLSSDAQE SLEVAIQCLE TAFGVTVEDS DLALPQTLPE IFEAAATGKE MPQDLRSPAR TPPSEEDSAE AERLKTEGNE QMKVENFEAA VHFYGKAIEL NPANAVYFCN RAAAYSKLGN YAGAVQDCER AICIDPAYSK AYGRMGLALS SLNKHVEAVA YYKKALELDP DNETYKSNLK IAELKLREAP SPTGGVGSFD IAGLLNNPGF MSMASNLMNN PQIQQLMSGM ISGGNNPLGT PGTSPSQNDL ASLIQAGQQF AQQMQQQNPE LIEQLRSQIR SRTPSASNDD QQE LEHHHHH H .

Precautions

SGTA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43765)