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# 32-4834: Recombinant Human Small Glutamine-Rich Tetratricopeptide Repeat-Containing Protein Alpha

**Alternative Name :** alphaSGT,hSGT,SGT,Vpu-binding protein,UBP,Small glutamine-rich tetratricopeptide repeat-containing protein alpha,Alpha-SGT,SGT1.

## Description

Source : Escherichia Coli. SGTA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 321 amino acids (1-313 a.a.) and having a molecular mass of 35.1 kDa. SGTA protein is fused to a 8 amino acid His-Tag at C-terminus and purified by standard chromatography. 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.

## Product Info

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| **Amount :** | 25 µg |
| **Purification :** | Greater than 95% as determined by SDS-PAGE. |
| **Content :** | SGTA Human solution containing 20mM Trsi HCL pH-8, 1mM DTT and 10% glycerol. |
| **Storage condition :** | SGTA human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles. |
| **Amino Acid :** | 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 QQELEHHHHH H. |