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32-4835: Recombinant Human Sex Hormone-Binding Globulin

Alternative Name :	Sex hormone-binding globulin,SHBG,Sex steroid-binding protein,SBP,Testis-specific androgen-binding protein,ABP,Testosterone-estradiol-binding globulin,TeBG,Testosterone-estrogen-binding globulin,SHBG.

Description

Source : CHO cells. SHBG Human Recombinant produced in CHO cells is a single, glycosylated, polypeptide chain containing a total of 428 amino acids, having a molecular mass of 46.79kDa (calculated), the SHBG is fused to a 6 a.a C-terminal His tag and also includes a myc-epitope.The Human SHBG is purified by proprietary chromatographic techniques. Sex-hormone-binding globulin (SHBG) is a beta-globulin which specifically binds steroid hormones; it is involved in the transport of sex steroids in plasma. The main site of SHBG synthesis is assumed to be the hepatocytes. The production of SHBG is regulated by androgen/estrogen balance, thyroid hormones, insulin and dietary factors, among others. The concentration of SHBG is a key factor regulating their distribution between protein-bound and free states. SHBG concentration determination is primarily significant in the evaluation of mild disorders of androgen metabolism and it allows detection of women with hirsutism who are likely to react to estrogen therapy. Testosterone/SHBG-ratios correlate well with both measured and calculated values for free testosterone thus aid to distinguish between subjects with excessive androgen activity and normal individuals. SHBG gene polymorphisms are linked with polycystic ovary syndrome and type 2 diabetes mellitus.

Product Info

Amount :	10 µg
Content :	SHBG filtered (0.4µm) solution at a concentration of 1mg/ml in certified FBS (Fetal Bovine Serum).
Storage condition :	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.
Amino Acid :	AAQPARRARR TKLLLLLLLL LRHTRQGWAL RPVLPTQSAH DPPAVHLSNG PGQEPIAVMT FDLTKITKTS SSFEVRTWDP EGVIFYGDTN PKDDWFMLGL RDGRPEIQLH NHWAQLTVGA GPRLDDGRWH QVEVKMEGDS VLLEVDGEEV LRLRQVSGPL TSKRHPIMRI ALGGLLFPAS NLRLPLVPAL DGCLRRDSWL DKQAEISASA PTSLRSCDVE SNPGIFLPPG TQAEFNLRDI PQPHAEPWAF SLDLGLKQAA GSGHLLALGT PENPSWLSLH LQDQKVVLSS GSGPGLDLPL VLGLPLQLKL SMSRVVLSQG SKMKALALPP LGLAPLLNLW AKPQGRLFLG ALPGEDSSTS FCLNGLWAQG QRLDVDQALN RSHEIWTHSC PQSPGNGTDA SHSRGGPEQKLISEEDLNSA VDHHHHHH.