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

SHBG Protein

Sex Hormone-Binding Globulin Human
NTP0050

Product Overview

Name	SHBG Protein
Description	
Sex Hormone-Binding Globulin Human	
Accession (Primary)	P04278
Synonyms	
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.	
Introduction	
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.	
Source	
Human serum.	
Physical Appearance	
Streile filtered colorless solution.	
Formulation	
The protein is supplied in 0.01M HEPES, PH 7.4 and 0.15M NaCl.	
Stability	
Upon arrival, Store at -20°C. Please prevent freeze-thaw cycles.	
Human Virus Test	
FDA approved Plasma from each donor has been tested and found negative for antibodies to HIV-1 & 2, HCV, HBsAG, Parvovirus B19, HBc, HBV, HIV and Syphilis.	

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Precautions

SHBG Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04278)