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

SHBG Human

Sex Hormone-Binding Globulin Human Recombinant
RCP2089

Product Overview

Name	SHBG Human
Description	
Sex Hormone-Binding Globulin Human Recombinant	
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, 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	
CHO cells.	
Physical Appearance	
Filtered colorless solution.	
Formulation	
SHBG filtered solution at a concentration of 55.6 µg/ml in certified FBS (Fetal Bovine Serum 5%).	
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.	
Amino acid sequence	
AAQPARRARR TKLLLLLLLL LRHTRQGWAL RPVLPTQSAH DPPAVHLSNG PGQEPIAVMT FDLTKITKTS	

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

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 SHSRGGP EQK LISEEDLN SA VD HHHHHH .

Precautions

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

Target Information: (P04278)