
Recombinant human SHBG protein (HEK293), His

Catalog Number: bs-43202P

Concentration: >0.5mg/ml

Species: Human

AA Seq: 30-402/402

Predicted MW: 41.5

Tags: C-His

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: PBS (pH7.4)

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Sex hormone binding globulin (SHBG) is a glycoprotein synthesized by the liver. Circulating androgen and estrogen concentrations influence SHBG synthesis. Elevated testosterone, for example, causes SHBG synthesis to decrease, whereas high estrogen stimulates SHBG production. The regulation of SHBG synthesis, combined with SHBG's higher affinity for testosterone, impacts bioavailable testosterone levels. SHBG binds up to 98 percent of the steroid hormones in the blood including 5 α -dihydrotestosterone (DHT), testosterone and androstenediol with particularly high affinity, and estradiol and estrone with slightly lower affinity.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.