

## SHBG

### Native Human Sex Hormone Binding Globulin

<b>Catalog No.</b>	CSI14828A CSI14828B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	SHBG, Testis-specific androgen-binding protein, ABP, Sex steroid-binding protein, SBP, Testosterone-estradiol-binding globulin, TeBG, Testosterone-estrogen-binding globulin		
<b>Description:</b>	Native Human Sex Hormone Binding Globulin (SHBG) is a glycoprotein that binds to sex hormones, specifically testosterone and estradiol. Other steroid hormones such as progesterone, cortisol, and other corticosteroids are bound by transcortin.		
<b>UniProt ID:</b>	P04278		
<b>Gene ID:</b>	6462		
<b>Appearance:</b>	White powder		
<b>Source:</b>	Human Serum		
<b>Molecular Weight:</b>	45 kDa		
<b>Formulation:</b>	Lyophilized from 0.02 M ammonium bicarbonate. May contain traces of buffer salts.		
<b>Purity:</b>	≥90% by SDS-PAGE (major band at 45 kDa) One band with β <sub>1</sub> electrophoretic mobility (cellulose acetate electrophoresis).		
<b>Protein:</b>	Determined by $E^{0.1\%}_{280\text{ nm}} = 1.22$		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with PBS, pH ≥7.0 to a concentration of 0.1 to 1.0 mg/ml.		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to 1 year. Reconstitute as directed and store in working aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Handling:</b>	Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.		

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