

Human Sex Hormone Binding Globulin Reference standard

Cat. No. SHBG-182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The reference Standard for Sex Hormone Binding Globulin (SHBG) has been widely used for the calibration of immunoassays and binding assays for the measurement of human serum SHBG levels.
Species	Human
Enzyme Unit	Each ampoule contains 180 INTERNATIONAL UNITS, equivalent to 180 pmol per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For practical purposes each ampoule contains the same quantity of SHBG. The entire content of each ampoule should be completely dissolved in an accurately measured amount of distilled water or appropriate assay diluent. The use of PBS to reconstitute ampoule contents is not recommended. If the contents are to be diluted extensively, the addition of 0.05%-0.1% protein (HSA or BSA) is recommended to minimise adsorption. The material has not been sterilized and the ampoules contain no bacteriostat.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should

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include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Stability

They remain valid with the assigned potency and status until withdrawn or amended. Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

Unopened ampoules should be stored at –20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name SHBG sex hormone-binding globulin [Homo sapiens];

Official Symbol SHBG

Synonyms

ABP; SBP; TEBG; sex hormone-binding globulin; sex steroid-binding protein; testosterone-binding beta-globulin; testosterone-estrogen-binding globulin; testosterone-estradiol-binding globulin; testis-specific androgen-binding protein

Gene ID 6462

mRNA Refseq NM_001040

Protein Refseq NP_001031

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MIM	182205
UniProt ID	P04278
Chromosome Location	17p13.1
Function	androgen binding

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