

## Recombinant Mouse Shbg Protein, Myc/DDK-tagged

**Cat. No.** Shbg-5853M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length sex hormone binding globulin (Shbg), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Functions as an androgen transport protein, but may also be involved in receptor mediated processes. Each dimer binds one molecule of steroid. Specific for 5-alpha-dihydrotestosterone, testosterone, and 17-beta-estradiol. Regulates the plasma metabolic clearance rate of steroid hormones by controlling their plasma concentration.
<b>Molecular Mass</b>	45.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** Shbg sex hormone binding globulin [ Mus musculus (house mouse) ]

**Official Symbol** Shbg

**Synonyms** SHBG; sex hormone binding globulin; sex hormone-binding globulin; SBP; sex steroid-binding protein; testis-specific androgen-binding protein; ABP

**Gene ID** 20415

**mRNA Refseq** NM\_011367

**Protein Refseq** NP\_035497

**UniProt ID** P97497

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