# Recombinant Mouse Shbg Protein, Myc/DDK-tagged

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

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length sex hormone binding globulin (Shbg), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | 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. |
| **Molecular Mass** | 45.3 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade after receiving vials. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

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## GENE INFORMATION

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| **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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