

## Recombinant Mouse TPBG protein(Met1-Ser361), hFc-tagged

**Cat. No.** TPBG-1351M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse TPBG (NP_001158264.1) (Met1-Ser361) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Ser361                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                   |
| <b>Molecular Mass</b>   | The recombinant Mouse TPBG consists of 568 amino acids and predicts a molecular mass of 62.5 kDa. It migRates as an approximately 96.2 KDa band in SDS-PAGE under reducing conditions.                                                          |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Tpbg trophoblast glycoprotein [ Mus musculus ]                                                                                                  |
| Official Symbol | TPBG                                                                                                                                            |
| Synonyms        | TPBG; trophoblast glycoprotein; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein; 5T4; AW495680; |
| Gene ID         | 21983                                                                                                                                           |
| mRNA Refseq     | NM_001164792                                                                                                                                    |
| Protein Refseq  | NP_001158264                                                                                                                                    |

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