

## Recombinant Human TPBG Protein, His-tagged

Cat. No. TPBG-559H Lot. No. (See product label)

### SPECIFICATION

|                             |   |
|-----------------------------|---|
| <b>Product Overview</b>     | Recombinant Human TPBG (NP_006661.1) (Asp60-Asp345) was expressed with a polyhistidine tag at the C-terminus.   |
| <b>Species</b>              | Human   |
| <b>Source</b>               | HEK293  |
| <b>ProteinLength</b>        | Asp60-Asp345  |
| <b>Predicted N Terminal</b> | Asp 60  |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.   |
| <b>Molecular Mass</b>       | The recombinant human TPBG consists of 297 amino acids and predicts a molecular mass of 33.1 kDa.   |
| <b>Endotoxin</b>            | < 1.0 EU per µg protein as determined by the LAL method.  |
| <b>Purity</b>               | > 90 % as determined by SDS-PAGE.   |
| <b>Storage</b>              | Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | TPBG trophoblast glycoprotein [ Homo sapiens ]   |
| <b>Official Symbol</b> | TPBG   |
| <b>Synonyms</b>        | TPBG; trophoblast glycoprotein; 5T4; 5T4 AG; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein; M6P1; 5T4AG; |
| <b>Gene ID</b>         | 7162   |
| <b>mRNA Refseq</b>     | NM_001166392   |
| <b>Protein Refseq</b>  | NP_001159864   |
| <b>MIM</b>             | 190920   |
| <b>UniProt ID</b>      | Q13641   |

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