

Recombinant Human TPBG protein, His-Avi-tagged

Cat. No. TPBG-375H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPBG protein(Q13641-1)(Ser32-Ser355), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser32-Ser355
Tag	C-His-Avi
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human TPBG, His Tag at 0.5 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-TPBG Antibody, hFc Tag with the EC50 of 7.3 ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

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Storage Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Reconstitution Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name TPBG trophoblast glycoprotein [Homo sapiens]

Official Symbol TPBG

Synonyms TPBG; trophoblast glycoprotein; 5T4; 5T4 AG; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein; M6P1; 5T4AG;

Gene ID 7162

mRNA Refseq NM_001166392

Protein Refseq NP_001159864

MIM 190920

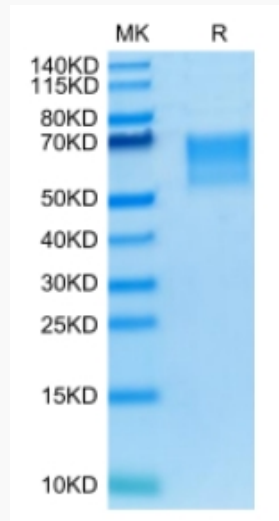
UniProt ID Q13641

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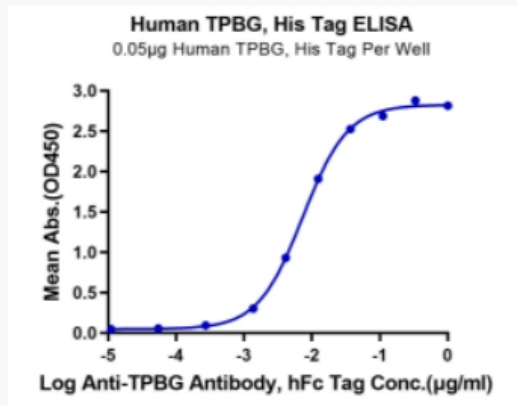
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Tris-Bis PAGE



ELISA Data



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