

Recombinant Human TPBG protein, His-Avi-tagged, Biotinylated

Cat. No. TPBG-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated 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
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human TPBG, His Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-TPBG Antibody, hFc Tag with the EC50 of 8.2ng/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.

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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
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.
Conjugation	Biotin

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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