

TPBG/5T4 recombinant protein

Biotinylated Human TPBG/5T4 Protein Recombinant

CATALOG #	HOST
AAA76236	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

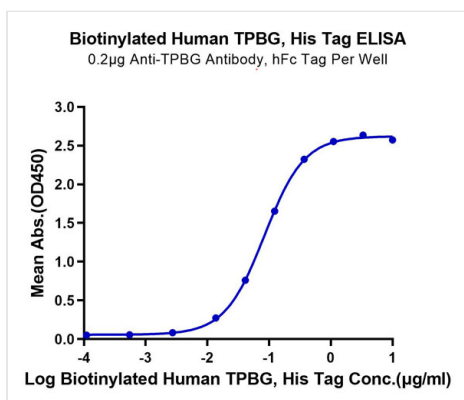
PRODUCT SYNONYMS

TPBG/5T4; Biotinylated Human TPBG/5T4 Protein Recombinant; TPBG/5T4 recombinant protein

PRODUCT SPECIFICATIONS

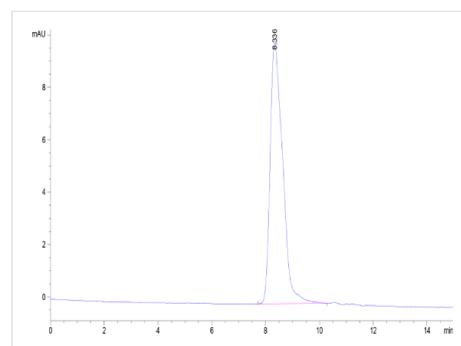
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human TPBG/5T4 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human TPBG/5T4 including a C-His-Avi tag was expressed in HEK293 Cells.The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C

IMAGES



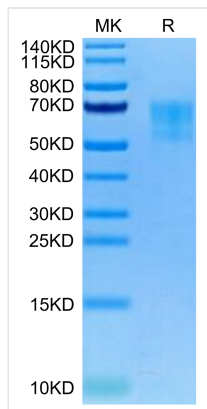
ELISA

Biotinylated Human TPBG/5T4 Protein ELISA Data: Immobilized Anti-TPBG Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TPBG, His Tag with the EC50 of 84.3ng/ml determined by ELISA.



Application Data

Biotinylated Human TPBG/5T4 Protein SEC-HPLC: The purity of Biotinylated Human TPBG is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human TPBG/5T4 Protein Tris-Bis PAGE Biotinylated Human TPBG on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for TPBG/5T4 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262205665
NCBI GeneID	7162
NCBI Accession #	NP_001159864.1
NCBI GenBank Nucleotide #	NM_001166392.1
UniProt Accession #	Q13641
Molecular Weight	46,032 Da
NCBI Official Full Name	trophoblast glycoprotein
NCBI Official Synonym Full Names	trophoblast glycoprotein
NCBI Official Symbol	TPBG
NCBI Official Synonym Symbols	5T4; M6P1; 5T4AG
NCBI Protein Information	trophoblast glycoprotein; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein
UniProt Protein Name	Trophoblast glycoprotein
UniProt Gene Name	TPBG
UniProt Synonym Gene Names	5T4; 5T4 oncotrophoblast glycoprotein
UniProt Entry Name	TPBG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/tpbg-recombinant-protein-hek293-cells/76236>