

Recombinant Human TPBG protein, His-tagged

Cat. No. TPBG-4464H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPBG protein(Q13641)(32-355aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-355aa
Tag	N-His
Form	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human TPBG at 2 µg/mL can bind Anti-TPBG recombinant antibody, the EC50 is 1.230-1.519 ng/mL.
Molecular Mass	38.9 kDa
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.
AA Sequence	SSPTSSASSFSSSAPFLASAVSAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPTD LPAYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEV RAGAFEHLPSLR QLDL SHNPLADLSPFAFSGSNASVSAPSP LVELILNHIVPPEDERQNR SFEGMVVAA LLAGRALQGLRRLELASNHFLYLPRDVLAQLPSLRHLDLSNNSLVSLTYVSFRNLTHL ESLHLEDNALKVLHNGTLAELQGLPHIRVFLDNNPWVCDCHMADMVTWLKETEVVQ GKDRLTCAYPEKMRNRVLLELNSADLDCDPILPPSLQTS

GENE INFORMATION

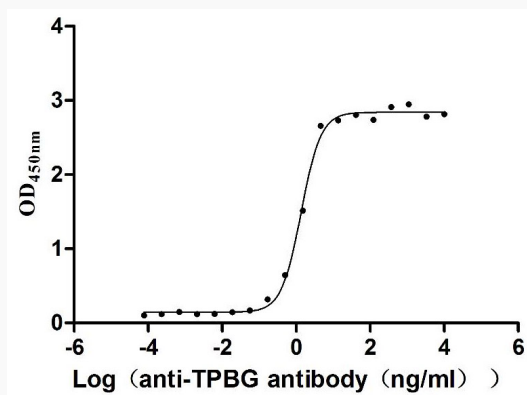
Gene Name	TPBG trophoblast glycoprotein [Homo sapiens]
Official Symbol	TPBG
Synonyms	TPBG; trophoblast glycoprotein; 5T4; 5T4 AG; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein; M6P1; 5T4AG;
Gene ID	7162
mRNA Refseq	NM_001166392
Protein Refseq	NP_001159864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

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Activity



SDS-PAGE

