Active Recombinant Human TPBG Protein, Fc-tagged

Cat. No. TPBG-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TPBG-Fc fusion is expressed as a 561 amino acid protein consisting of Ser32 - Ser355 region of TPBG and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	HEK293
ProteinLength	Ser 32 - Ser 355
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human TPBG, Fc Tag at 1 μg/mL (100 μL/well) can bind Anti-TPBG Antibody, Human IgG1 with a linear range of 0.5-8 ng/mL.
Molecular Mass	The protein has a calculated MW of 61.8 kDa. The protein migrates as 80-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
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℃ before opening to recover the entire contents.

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA