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Datasheet for ABIN7454220
TPBG Protein (AA 32-355) (Fc Tag)

Overview

Quantity:	100 µg
Target:	TPBG
Protein Characteristics:	AA 32-355
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPBG protein is labelled with Fc Tag.

Product Details

Purpose:	Human TPBG/5T4 Protein
Sequence:	Ser32-Ser355
Characteristics:	Recombinant Human TPBG/5T4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser32-Ser355.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TPBG, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-TPBG Antibody, hFc Tag with the EC50 of 18.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TPBG
Alternative Name:	TPBG (TPBG Products)
Background:	The oncofetal tumor-associated antigen 5T4 (TBGP) has been linked with CSC properties in several different malignancies. 5T4 has functional attributes that are relevant to the spread of tumors including through EMT, CXCR4/CXCL12, Wnt, and Hippo pathways which may all contribute through the mobilization of CSCs.
Molecular Weight:	62.08 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Tris-Bis PAGE result.
UniProt:	Q13641

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months