

Datasheet for ABIN7597381

TPBG Protein (AA 140-171) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	TPBG
Protein Characteristics:	AA 140-171
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPBG protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human 5T4(140-171) Protein with C-terminal human Fc tag
Sequence:	5T4(His140-Ala171) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	TPBG
Alternative Name:	5T4 (TPBG Products)
Background:	<p>TPBG, M6P1, 5T4AG, WAIF1</p> <p>This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical</p>

Target Details

	outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]
Molecular Weight:	predicted molecular mass of 29.5 kDa after removal of the signal peptide. The apparent molecular mass of 5T4(140-171)-hFc is 35-55 kDa due to glycosylation.
UniProt:	Q13641

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months