

Datasheet for ABIN7319802
TPBG Protein (His tag,Biotin)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TPBG
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPBG protein is labelled with His tag,Biotin.

Product Details

Purpose:	Recombinant Human TPBG/5T4 (C-Avi-6His) Biotinylated
Sequence:	Ser32-Ser355
Characteristics:	Biotinylated Recombinant Human Trophoblast Glycoprotein is produced by our Mammalian expression system and the target gene encoding Ser32-Ser355 is expressed with a Avi, 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TPBG
Alternative Name:	TPBG (TPBG Products)
Background:	Background: Trophoblast glycoprotein, also known as TPBG and 5T4, it belongs to the LRR family of proteins. The C-terminus of LRR N-terminal cap (LRRNT) and LRR 1 are essential for

Target Details

the inhibition of the Wnt signaling pathway. TPBG may function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization. It expressed by all types of trophoblasts as early as 9 weeks of development. In adult tissues, the expression is limited to a few epithelial cell types but is found on a variety of carcinoma.

Synonym: TPBG, 5T4, 5T4AG, M6P1, WAIF1

Molecular Weight: 38 kDa

UniProt: [Q13641](#)

Application Details

Comment: 60-90 kDa

Restrictions: For Research Use only

Handling

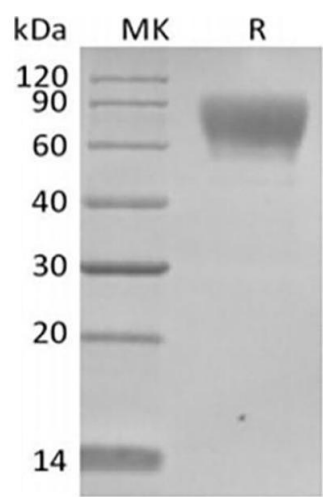
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.