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Datasheet for ABIN7520565 TPBG Protein (His tag)

Overview

Quantity:	20 µg
Target:	TPBG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPBG protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human WAIF1/5T4/TPBG Protein
Sequence:	SSPTSSASSF SSSAPFLASA VSAQPPLPDQ CPALCECSEA ARTVKCVNRN LTEVPTDLPA YVRNFLTGN QLAVLPAGAF ARRPPLAELA ALNLSGSRLD EVRAGAFEHL PSLRQLDLSH NPLADLSPFA FSGSNASVSA PSPLVELILN HIVPPEDERQ NRSFEGMVVA ALLAGRALQG LRRLELASNH FLYLPRDVLA QLPSLRHLDL SNNSLVSLTY VSFRNLTHLE SLHLEDNALK VLHNGTLAEL QGLPHIRVFL DNNPWVCDCH MADMVTWLKE TEVVQGKDRL TCAYPEKMRN RVLLELNSAD LDCDPILPPS LQTS
Specificity:	Ser32-Ser355
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.

Target Details

Target:	TPBG
Alternative Name:	WAIF1/5T4/TPBG (TPBG Products)
Background:	<p>Description: This protein is 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 outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein.</p> <p>Name: 5T4, 5T4AG, M6P1, WAIF1,TPBG,5T4AG,M6P1,WAIF1</p>
Gene ID:	7162
UniProt:	Q13641-1

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.