

5T4/TPBG Protein, Cynomolgus, Recombinant (His & Myc)

General Information

Synonyms:	TPBG;Trophoblast glycoprotein;Wnt-activated inhibitory factor 1 (WAIF1)
Protein Construction:	35-355 aa
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	Q4R8Y9
Molecular Weight:	39.9 kDa (predicted)
AA Sequence:	TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPTDLPYVRNFLTGNQLAVLP AGAFARRPPLAELAALNLSGSRLEDEVRGGAFEHLPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILN HIVPPDDKRQNRSEFGMVAAALVAGRALQGLHLELASNHFLYLPDVLVAQLPSLRYLDLSNNSLVSLTYVSF RNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCHMADMVTWLKQTGVVQ GKDRLTCA FPEKMRNRVLELNSADLDCDPIPPSLQTS

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 µg/mL can bind Anti-TPBG recombinant antibody, the EC50 is 1.672-2.181 ng/mL.
Purity:	> 95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-

dependent LRP6 internalization.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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