

RP02602

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Biotinylated Recombinant Human WAIF1/5T4/TPBG Protein

Catalog No.: RP02602

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human		Q13641-1

Tags

C-His&Avi

Synonyms

M6P1; 5T4AG; WAIF1; TPBG; 5T4

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

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.

Basic Information

Description

Recombinant Biotinylated Human TPBG/5T4 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ser32-Ser355.

Bio-Activity

Storage

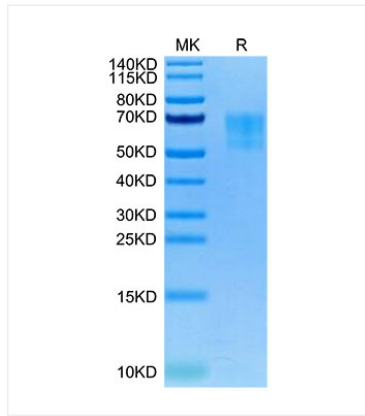
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

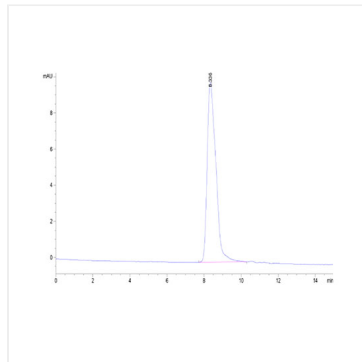


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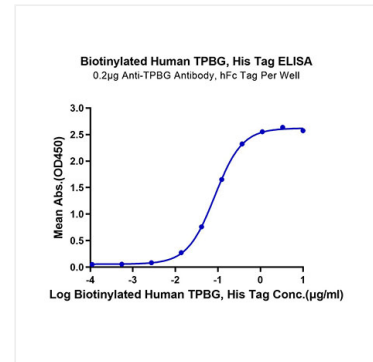
Validation Data



Biotinylated Human TPBG on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human TPBG is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-TPBG Antibody, hFc Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human TPBG, His Tag with the EC₅₀ of 84.3ng/ml determined by ELISA.