Biotinylated Recombinant Human WAIF1/5T4 /TPBG Protein

Catalog No.: RP02602B

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Sequence Information

Species
Human

Gene ID
7162

Swiss Prot
Q13641-1

Tags
C-His&Avi

Synonyms
M6P1; 5T4AG; WAIF1; TPBG; 5T4

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
38.2 kDa

Observed MW
50-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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
Biotinylated Recombinant Human WAIF1/5T4/TPBG Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ser32-Ser355) of Human TPBG fused with a His and Avi tag at the C-terminal.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

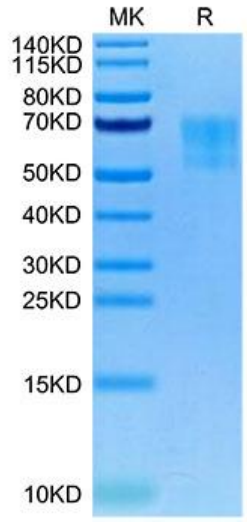
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

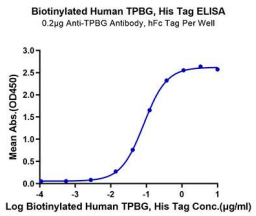
400-999-6126
cn.market@abclonal.com.cn
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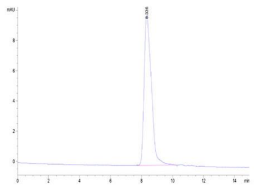
Validation Data



Biotinylated Recombinant Human WAIF1/5T4/TPBG Protein was determined by Tris-Bis PAGE under reducing conditions.



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 EC_{50} of 84.3ng/ml determined by ELISA.



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

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