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Recombinant Human WAIF1/5T4/TPBG Protein

Catalog No.: RP01445 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7162	Q13641-1

Tags
C-His

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
36.16 kDa	55-70 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 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

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.

Basic Information

Description
Recombinant Human WAIF1/5T4/TPBG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser32-Ser355) of human TPBG/5T4 (Accession #NP_006661.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

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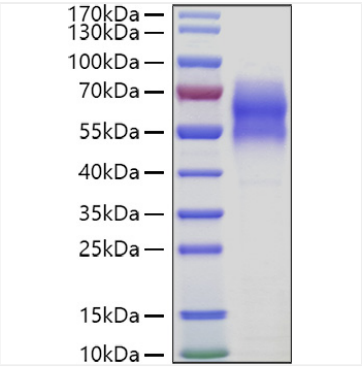
Validation Data



Recombinant Human WAIF1/5T4/TPBG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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