

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% by SDS-PAGE. |

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 stabilizer (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

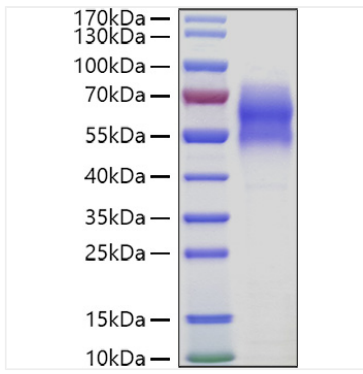
Storage

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.

Validation Data



Recombinant Human WAIF1/5T4/TPBG Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55-70kDa.