

Biotinylated Recombinant Human PLAU/uPA Protein (active form)

Catalog No.: RP00648B **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 5328 | P00749-1 |

Tags

C-His&Avi

Synonyms

PLAU; Urokinase; ATF; UPA; URK; u-PA; BDPLT5; QPD

Product Information

| Source | Purification |
|--------------|------------------------------------|
| HEK293 cells | > 95% by SDS-PAGE > 95% by HPLC |

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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.

Contact

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Background

Plasminogen activator, urokinase (uPA) is a secreted serine protease whose Dysregulation is often accompanied by various cancers. PLAU inhibition could suppress tumor growth. Collectively, PLAU is necessary for tumor progression and can be a diagnostic and prognostic biomarker in HNSCC.

Basic Information

Description

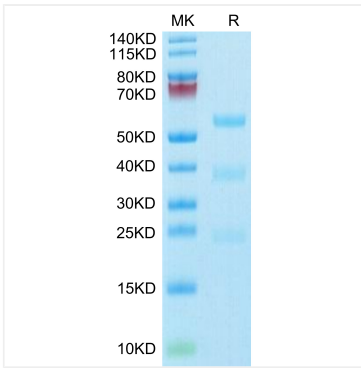
Biotinylated Recombinant Human PLAU/uPA Protein (active form) is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser21-Leu431) of Human PLAU/uPA (active form) (Accession #P00749-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

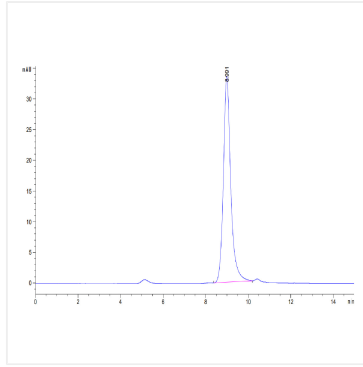
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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.

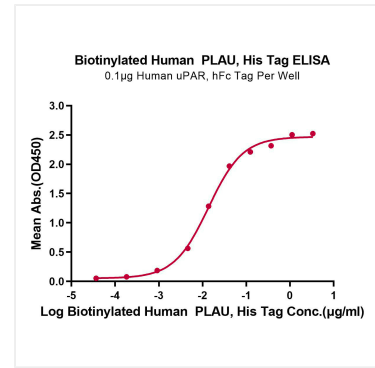
Validation Data



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



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



Immobilized Human uPAR, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human PLAU, His Tag with the EC₅₀ of 13.6ng/mL determined by ELISA.