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Biotinylated Recombinant Human uPA/PLAU Protein

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

Calculated MW	Observed MW
49.3 kDa	24-26, 35-38, 52-60 kDa

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 stablizer (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.

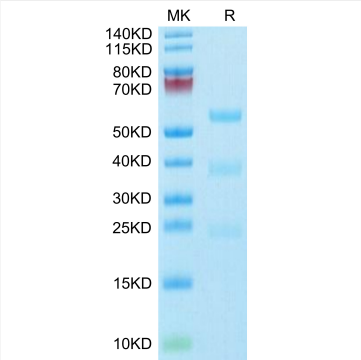
Basic Information

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

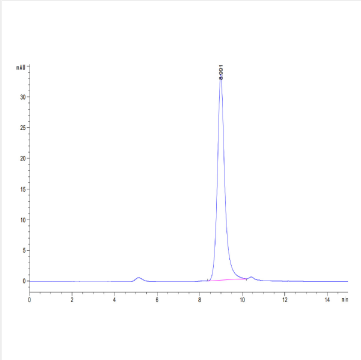
Bio-Activity

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.

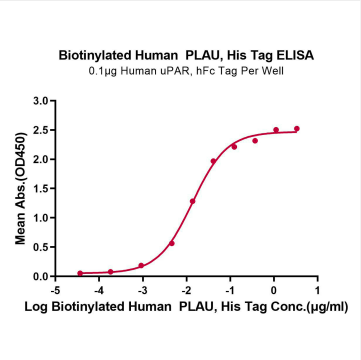
Validation Data



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 EC_{50} of 13.6ng/mL determined by ELISA.