

Recombinant Human PLAU/uPA Protein (pro form)

Catalog No.: RP00651

Sequence Information

Species	Gene ID
Human	5328
Swiss Prot	Tags
P00749-1	C-His

Synonyms

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

Product Information

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

Calculated MW Observed MW

47.5 kDa 52-60 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in 25 mM HEPES, 150 mM NaCl (pH 7.5). 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.

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

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

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°C

Operational Notes

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

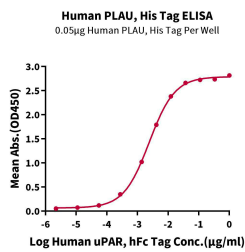
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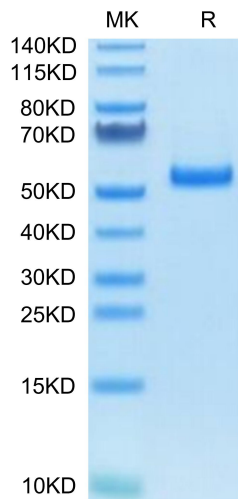
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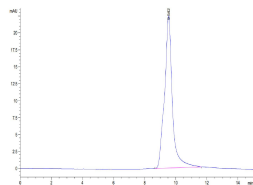
Validation Data



Immobilized Human PLAUI, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human uPAR, hFc Tag with the EC₅₀ of 2.4ng/mL determined by ELISA.



Recombinant Human PLAUI/uPA Protein (pro form) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human PLAUI (pro form) is greater than 95% as determined by SEC-HPLC.