Human PLAU/uPA Protein (pro form)

Cat. No.   PLA-HM102

Description

Source	Recombinant Human PLAU/uPA Protein (pro form) is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ser21-Leu431.
Accession	P00749-1
Molecular Weight	The protein has a predicted MW of 47.5 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22μm filtered solution in 25mM HEPES, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.
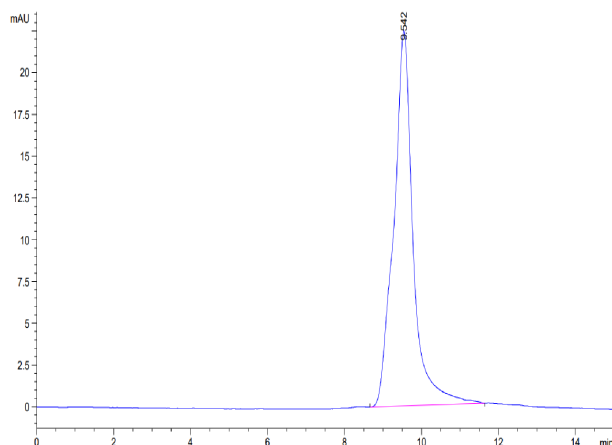
Assay Data

Tris-Bis PAGE
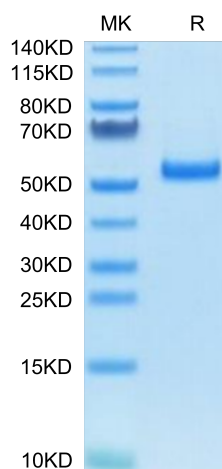
Human PLAU (pro form) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
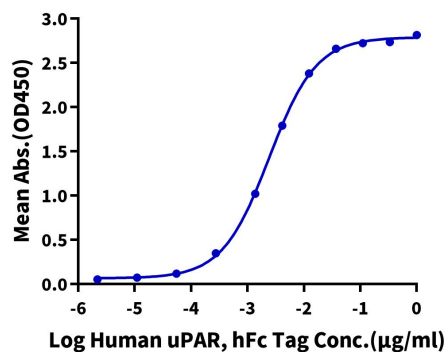
SEC-HPLC

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

For Research Use Only

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Assay Data

ELISA Data

Human PLAU, His Tag ELISA
0.05μg Human PLAU, His Tag Per Well

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

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