Biotinylated Human PLAU/uPA Protein (active form)

Cat. No. PLA-HM401B

Description

Source	Recombinant Biotinylated Human PLAU/uPA Protein (active form) is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Ser21-Leu431, which consists of two chains: Long chain A (Ser21-Phe177) and chain B (Ile179-Leu 431). The long chain A is further cleaved to yield a short chain A (Lys156-Phe 177) and N-Terminus fragment (Ser21-Lys155).
Accession	P00749-1
Molecular Weight	The protein has a predicted MW of 49.3 kDa. Due to protein lysis and glycosylation, the protein migrates to 24-26 kDa(long chain A), 35-38 kDa(chain B) and 52-60 kDa(long chain A&chain B) based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

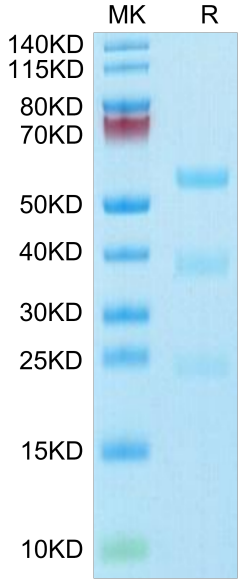
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

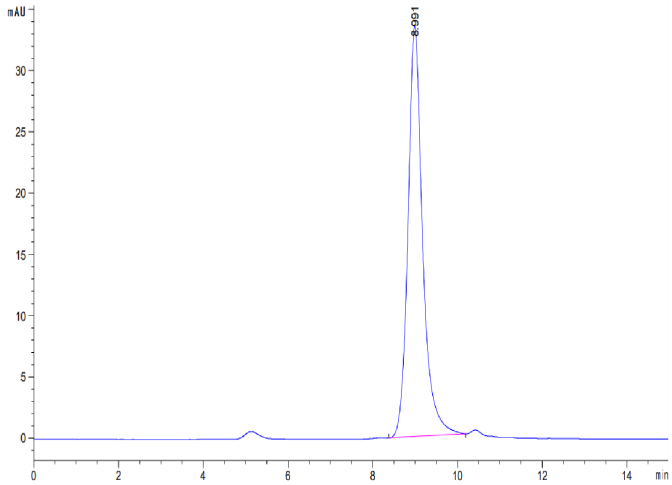
Bis-Tris PAGE



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

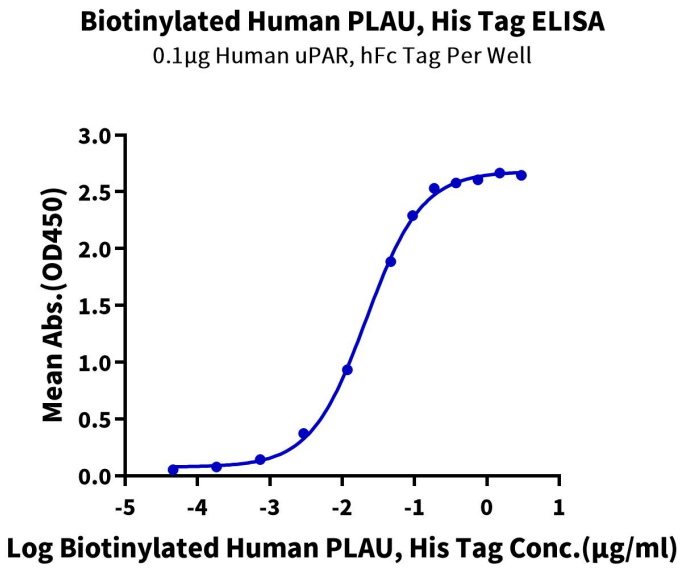
SEC-HPLC

Assay Data



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

ELISA Data



Immobilized Human uPAR, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human PLAU, His Tag with the EC50 of 21.5ng/ml determined by ELISA (QC Test).