

Biotinylated Human PLAU/uPA Protein (active form)



Cat. No. PLA-HM401B

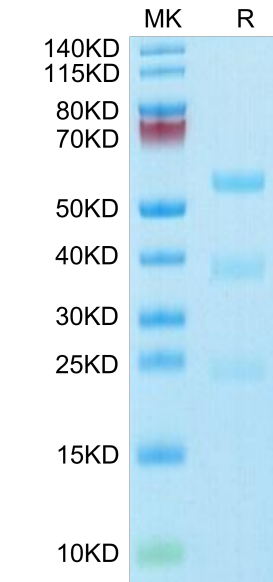
Description	
Source	Recombinant Biotinylated Human PLAU/uPA Protein (active form) is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ser21-Leu431, which consists of two chains: Long chain A (Ser21-Phe177) and chain B (Ile179-Leu 431). The long chain A is further cleaved 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, 35-38 kDa and 52-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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%.

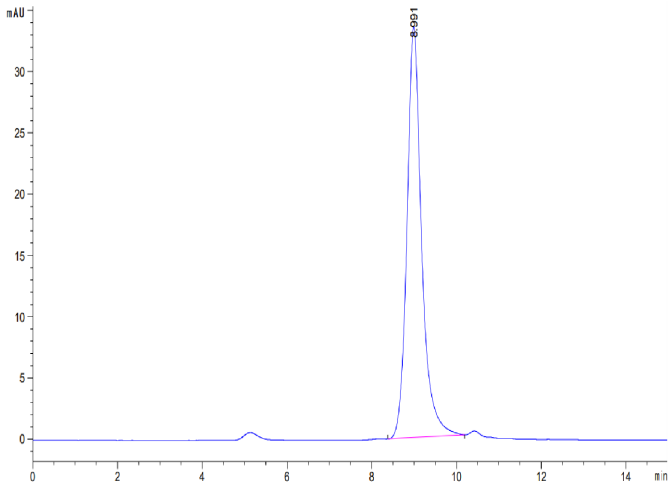
SEC-HPLC

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Assay Data

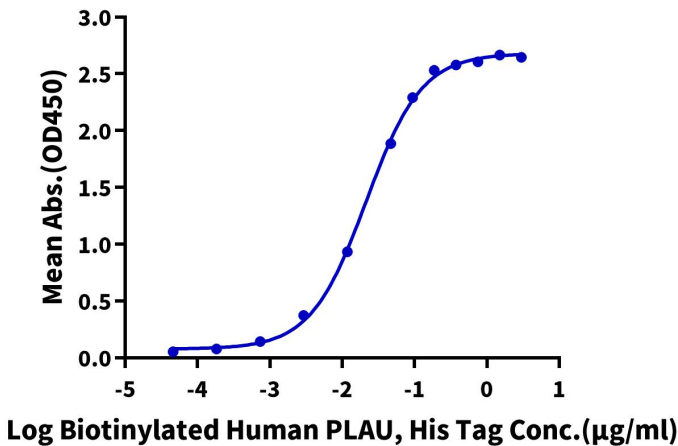


The purity of Biotinylated Human PLAU is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human PLAU, His Tag ELISA

0.1µg Human uPAR, hFc Tag Per Well



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).