

Datasheet for ABIN7275460

**PLAU Protein (AA 21-431) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PLAU
Protein Characteristics:	AA 21-431
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAU protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human PLAU/uPA Protein (active form)
Sequence:	Ser21-Leu431
Characteristics:	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).
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 13.6ng/ml determined by ELISA. See testing image for detail.

## Target Details

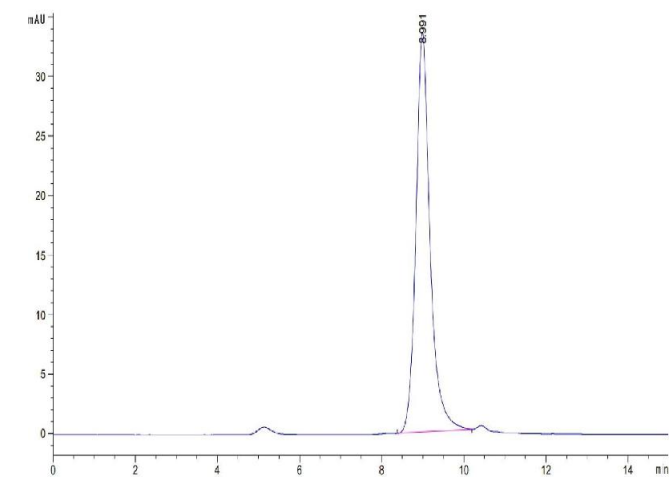
Target:	PLAU
Alternative Name:	PLAU ( <a href="#">PLAU Products</a> )
Background:	<p>Plasminogen activator, urokinase (uPA) is a secreted serine protease whose Dysregulation is often accompanied by various cancers. PLAU inhibition could suppress tumor growth.</p> <p>Collectively, PLAU is necessary for tumor progression and can be a diagnostic and prognostic biomarker in HNSCC.</p>
Molecular Weight:	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 Tris-Bis PAGE result.
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

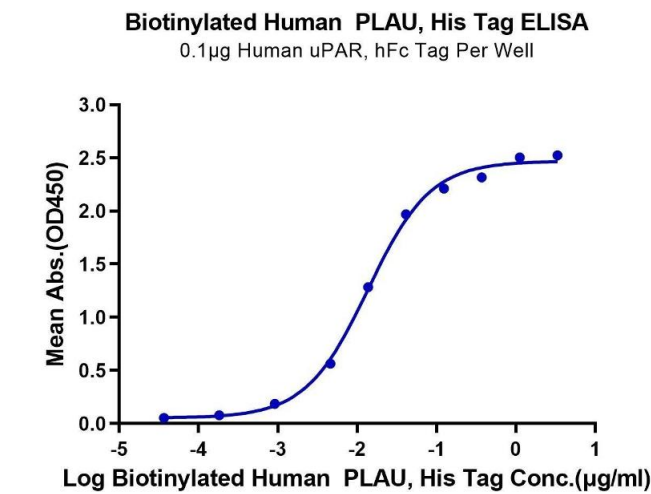
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



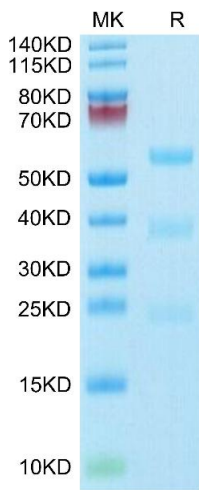
Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Biotinylated Human PLAU/uPA (activated by trypsin) is greater than 95 % as determined by SEC-HPLC.



ELISA

**Image 2.** 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 EC50 of 13.6 ng/mL determined by ELISA.



SDS-PAGE

**Image 3.** Biotinylated Human PLAU/uPA (activated by trypsin) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .