

# Biotinylated Mouse PLAU/uPA Protein



Cat. No. PLA-MM401B

## Description

<b>Source</b>	Recombinant Biotinylated Mouse PLAU/uPA Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Gly21-Phe433.
<b>Accession</b>	P06869
<b>Molecular Weight</b>	The protein has a predicted MW of 49.00 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 30-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

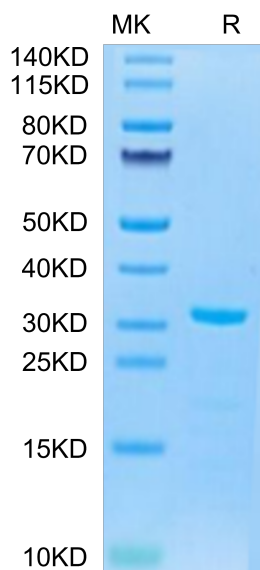
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

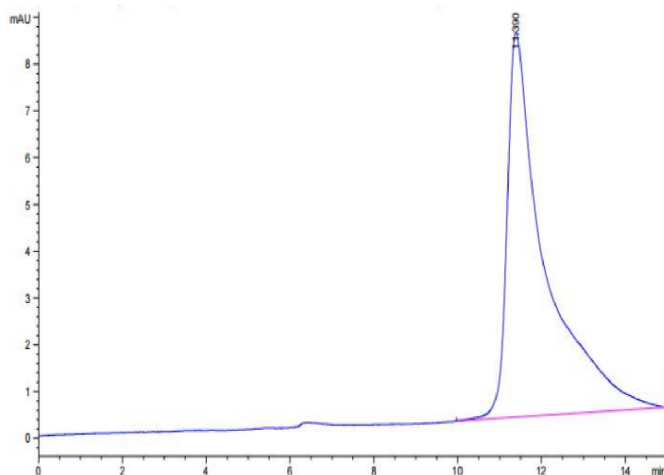
### Bis-Tris PAGE



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

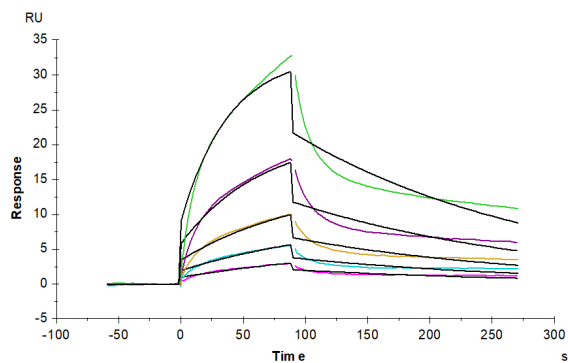
### SEC-HPLC

Assay Data



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

SPR Data



Mouse uPAR isoform 1, His Tag immobilized on CM5 Chip can bind Biotinylated Mouse PLAU, His-Avi Tag with an affinity constant of  $0.19 \mu\text{M}$  as determined in SPR assay (Biacore T200).