

Biotinylated Mouse PLAU/uPA Protein



Cat. No. PLA-MM401B

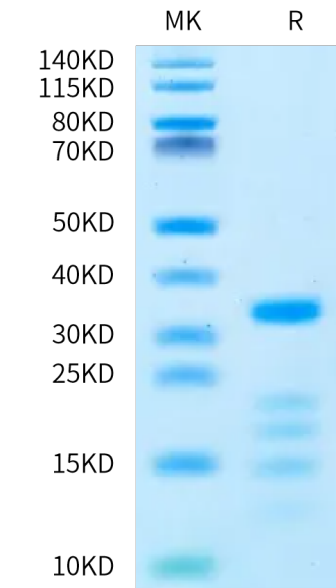
Description	
Source	Recombinant Biotinylated Mouse PLAU/uPA Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Gly21-Phe433.
Accession	P06869
Molecular Weight	The protein has a predicted MW of 49.00 kDa. Due to enzyme lysis and glycosylation, the protein migrates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

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM PB, 150mM NaCl (pH 6.0). 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 Mouse PLAU on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

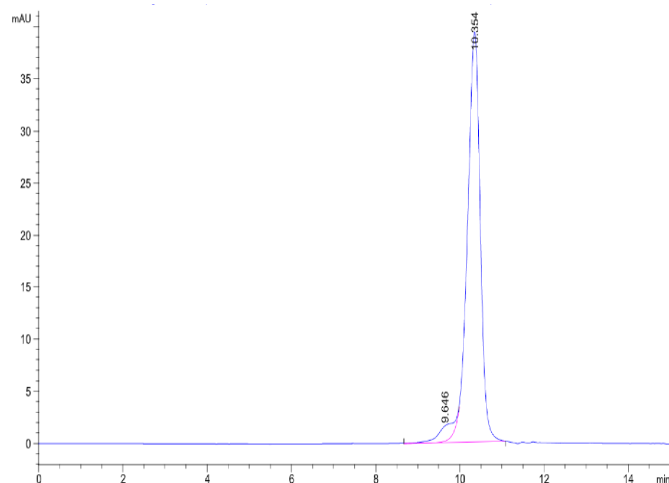
SEC-HPLC

## Biotinylated Mouse PLAU/uPA Protein

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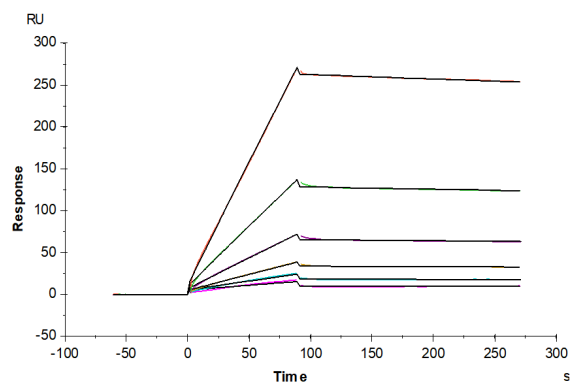


### Assay Data



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 Tag with an affinity constant of  $0.33 \mu\text{M}$  as determined in SPR assay (Biacore T200).