

Rat PLAU/uPA Protein



Cat. No. PLA-RM101

Description	
Source	Recombinant Rat PLAU/uPA Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly20-Phe432.
Accession	NP_037217.3
Molecular Weight	The protein has a predicted MW of 46.91 kDa. 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 > 90% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm 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



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

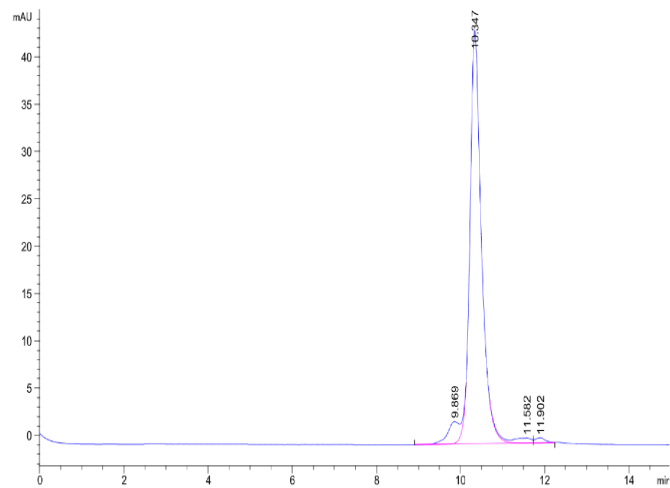
SEC-HPLC

Rat PLAU/uPA Protein

Cat. No. PLA-RM101

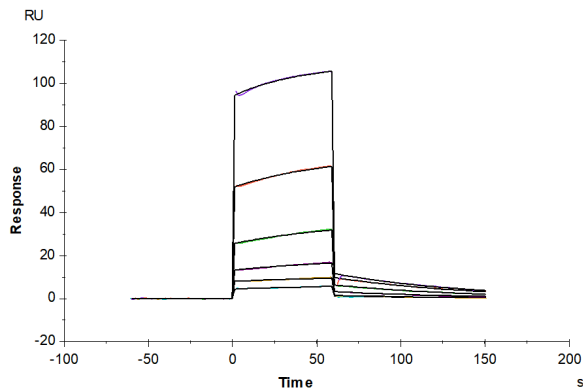


Assay Data



The purity of Rat PLAU is greater than 90% as determined by SEC-HPLC.

SPR Data



Human uPAR, hFc Tag captured on CM5 Chip via Protein A can bind Rat PLAU, His Tag with an affinity constant of 4.31 μ M as determined in SPR assay (Biacore T200).