Mouse PLAU/uPA Protein

Cat. No. PLA-MM401

Description

Source	Recombinant 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
	> 90% as determined by HPLC

Formulation and Storage

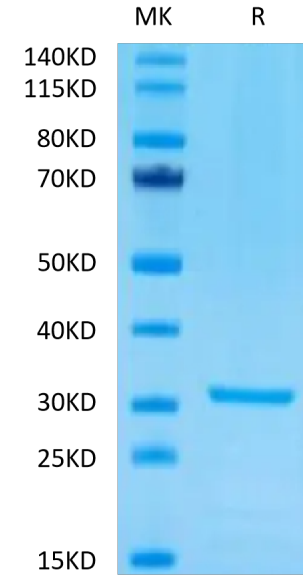
Formulation	Lyophilized from 0.22μm filtered solution in 20mM PB, 150mM NaCl (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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



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

SEC-HPLC

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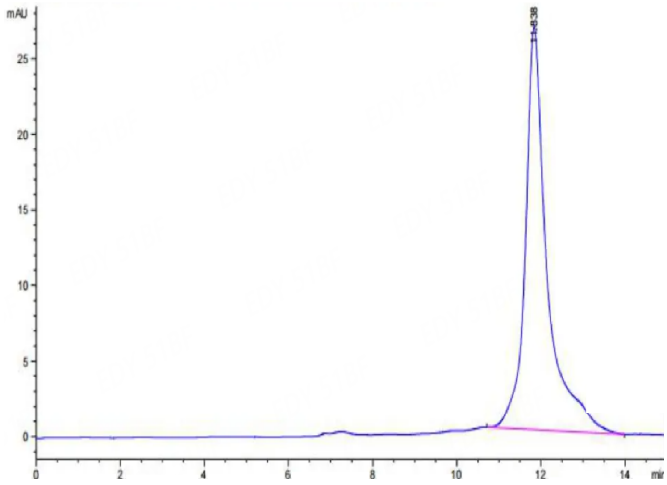
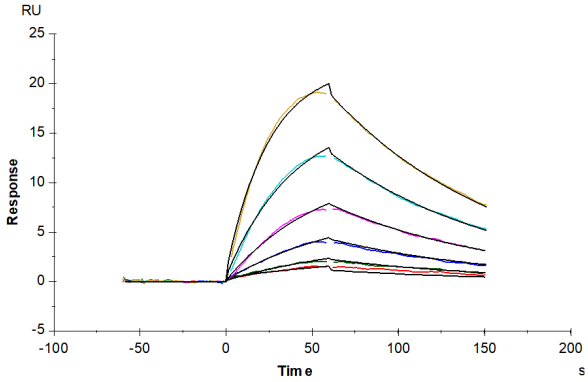
Assay Data



The purity of Mouse 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 Mouse PLAU, His Tag with an affinity constant of 0.33 μM as determined in SPR assay (Biacore T200) (QC Test).