

[Go to Product page](#)

Datasheet for ABIN7454200

PLAU Protein (AA 21-433) (His-Avi Tag)

Overview

Quantity:	100 µg
Target:	PLAU
Protein Characteristics:	AA 21-433
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAU protein is labelled with His-Avi Tag.

Product Details

Purpose:	Mouse PLAU/uPA Protein
Sequence:	Gly21-Phe433
Characteristics:	Recombinant Mouse PLAU/uPA Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Gly21-Phe433.
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:	The affinity constant of 9.98 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	PLAU
Alternative Name:	PLAU (PLAU Products)
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:	49.00 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.
UniProt:	P06869
Pathways:	Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis , Autophagy , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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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