

## Active Native Human PLAU

**Cat. No.** PLAU-8456H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	LPA was purified from Human urine.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	Urokinase (UK) is a serine protease, which is one of biological plasminogen activators. It is involved in a number of biological functions including fibrinolysis, embryogenesis, cell migration, tissue remodeling, ovulation, and wound healing. It can be obtained from human urine or kidney cell culture. UK is a two-chain glycoprotein containing 411 amino acids with 12 disulfide bonds. Its molecular weight is 54,000.
<b>Form</b>	Lyophilized powder
<b>Bio-activity</b>	1 nM UK will cause a change in absorbance of 0.001 at 405 nm in 1 minute at R/T in 100 µl reaction mixture containing 0.05 M Tris-HCl, 0.1 M NaCl, pH 7.4, using S2444 (0.6mM) as the substrate.
<b>Molecular Mass</b>	54.0 kDa
<b>Purity</b>	≥0% by SDS - PAGE; ≥0% by HPLC
<b>Storage</b>	-20°C

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<b>Reconstitution</b>	Reconstitute in sterile H <sub>2</sub> O to a concentration >100 ug/ml. The solution can then be diluted into other aqueous solutions.
<b>Shipping</b>	Gel pack
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PLAU plasminogen activator, urokinase [ Homo sapiens ]
<b>Official Symbol</b>	PLAU
<b>Synonyms</b>	PLAU; plasminogen activator, urokinase; urokinase-type plasminogen activator; UPA; URK; U-plasminogen activator; plasminogen activator, urinary; ATF; QPD; u-PA; BDPLT5;
<b>Gene ID</b>	5328
<b>mRNA Refseq</b>	NM_001145031
<b>Protein Refseq</b>	NP_001138503
<b>MIM</b>	191840
<b>UniProt ID</b>	P00749
<b>Chromosome Location</b>	10q24
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-

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specific biosystem; Complement and coagulation cascades, conserved biosystem;  
DNA damage response (only ATM dependent), organism-specific biosystem;  
Dissolution of Fibrin Clot, organism-specific biosystem;

**Function**

peptidase activity; protein binding; serine-type endopeptidase activity;

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