Active Native Human PLAU

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

SPECIFICATION

Product Overview	LPA was purified from Human urine.
Species	Human
Source	Human
Description	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 dissulfide bonds. Its molecular weight is 54,000.
Form	Lyophilized powder
Bio-activity	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.
Molecular Mass	54.0 kDa
Purity	≥0% by SDS - PAGE; ≥0% by HPLC
Storage	-20°C

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Reconstitution	Reconstitute in sterile H2O to a concentration >100 ug/ml. The solution can then be diluted into other aqueous solutions.
Shipping	Gel pack

GENE INFORMATION

Gene Name	PLAU plasminogen activator, urokinase [Homo sapiens]
Official Symbol	PLAU
Synonyms	PLAU; plasminogen activator, urokinase; urokinase-type plasminogen activator; UPA; URK; U-plasminogen activator; plasminogen activator, urinary; ATF; QPD; u-PA; BDPLT5;
Gene ID	5328
mRNA Refseq	NM_001145031
Protein Refseq	NP_001138503
MIM	191840
UniProt ID	P00749
Chromosome Location	10q24
Pathway	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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