

Active Native Human Urokinase protein

Cat. No. PLAU-31689TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human PLAU was purified from Human urine.
Species	Human
Source	Human urine
ProteinLength	411 amino acids
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.
Form	The Urokinase was lyophilized from a concentrated (1mg/ml) solution containing phosphate buffer.
Bio-activity	174,827IU/mg
Molecular Mass	54,000 Dalton
Purity	Greater than 94.0% as determined by SDS-PAGE.
Notes	Free of: Hepatitis B surface antigen, Hepatitis C antibody and HIV I and II.

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Storage Lyophilized Urokinase although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Urokinase should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. Please prevent freeze-thaw cycles.

Reconstitution It is recommended to reconstitute the lyophilized Urokinase in sterile 18MΩ-cm H₂O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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

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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-specific biosystem; Complement and coagulation cascades, conserved biosystem
Function	peptidase activity; protein binding; serine-type endopeptidase activity;

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