

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	<p>Urokinase (UK) is a serine protease, which is one of biological plasminogen activators.</p> <p>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.</p>
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA