

Human Urokinase (UK)

CATALOG #:	4793-100	100 µg
	4793-1000	1 mg
SOURCE:	Human Urine	
PURITY:	≥ 90% as determined by SDS-PAGE The protein is free of Hepatitis B surface antigen, Hepatitis C antibody and HIV I and II.	
MOLECULAR WEIGHT:	54 kDa	
SPECIFIC ACTIVITY:	173,914IU/mg	
PHYSICAL APPEARANCE:	Lyophilized powder	

RECONSTITUTION:

Reconstitute in sterile H₂O to a concentration ≥100 µg/ml. The solution can then be diluted into other aqueous solutions.

STORAGE CONDITIONS:

Lyophilized hUK is best stored desiccated below -18° C. Reconstituted hUK can be stored at 4° C for 2-7 days. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.

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 disulfide bonds. Its molecular weight is 54,000.

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.

FOR RESEARCH USE ONLY! Not to be used on humans.

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