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Urokinase Human

Catalog #:ENPS-271

For research use only.

Description: Urokinase is a two-chain glycoprotein containing 411 amino acids with 12 disulfide bonds. Its molecular weight is 54,000 Dalton.

Synonyms: Urokinase, Abbokinase, Urokinase-type Plasminogen Activator,uPA, EC 3.4.21.73, UK.

Source: Human urine.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 92.0% as determined by SDS-PAGE.

Formulation:
The Urokinase was lyophilized from a concentrated (1mg/ml) solution containing phosphate buffer.

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

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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

Introduction:
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.

References:
1. Title:Transient -catenin stabilization modifies lineage output from human thymic CD34+CD1a progenitors. Publication:Published online before print December 1, 2009, doi: 10.1189/jlb.0509344 March 2010 Journal of Leukocyte Biology vol. 87 no. 3 405-414 .Link:http://www.jleukbio.org/content/87/3/405.full2.Title:Activation of human pro-urokinase by unrelated proteases secreted by Pseudomonas aerμginosa.Publication:Received 26 November 2009/18 March 2010; accepted 2Link:http://www.biochemj.org/bj/428/0473/bj4280473.htm

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