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**Product Data Sheet**


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Product Name: Urokinase

Cat. No.: GP22398

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms PLAU; ATF; BDPLT5; QPD; u-PA; UPA; URK; Urokinase-type plasminogen activator; U-plasminogen activator; uPA; Urokinase-type plasminogen activator long chain A; Urokinase-type plasminogen activator short chain A; Urokinase-type plasminogen activator chain B.

Amino Acid Sequence  
 SNELHQVPSN CDCLNGGTCV SNKYFSNIHW CNCPKKFGGQ HCEIDKSKTC  
 YEGNGHFYRG KASTDTMGRP CLPWNSATVL QQTYHAHRSD ALQLGLGKHN  
 YCRNPDNRRR PWCYVQVGLK PLVQECMVHD CADGKKPSSP PEELKFQCGQ  
 KTLRPRFKII GGEFTTIENQ PWFAAIYRRH RGGSVTYVCG GSLISPCWVI  
 SATHCFIDYP KKEDYIVYLG RSRLNSNTQG EMKFEVENLI LHKDYSADTL  
 AHHNDIALLK IRSKEGRCAQ PSRTIQTICL PSMYNDPQFG TSCEITGFGK  
 ENSTDYLYPE QLKMTVVKLI SHRECQPHY YGSEVTTKML CAADPQWKTD  
 SCQGDSGGPL VCSLQGRMTL TGIVSWGRGC ALKDKPGVYT RVSHFLPWIR  
 SHTKEENGLA LLEHHHHHHH.

Formulation Urokinase protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.

**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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Urokinase Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 419 amino acids (21-431) and having a molecular mass of 47.4kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). Urokinase is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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