

**Product:** Urokinase, human  
**Catalog #:** 12-4306  
**Amount:** 100 µg

---

**DESCRIPTION:** Urokinase (hUK) 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. hUK is a two-chain glycoprotein containing 411 amino acids with 12 disulfide bonds. Its molecular weight is 54,000

**SOURCE:** Human urine

**MOLECULAR WEIGHT:** 54 kDa

**PURITY:** > 90%, as determined by: reducing and non-reducing SDS-PAGE Silver Stained gel

**ACTIVITY:** 1nM UK will cause a change in absorbance of 0.001 at 405 nm in 1 minute at R/T in 100 ul 0.05M Tris-HCl, 0.1M NaCl, pH 7.4, using S2444 (0.6mM) as the substrate.

**SPECIFIC ACTIVITY:** >68,000 IU/mg

**PROTEIN CONTENT:** Protein quantitation was carried out by 2 independent methods:  
- UV spectroscopy at 280 nm  
- Analysis by RP-HPLC, using a standard solution of hUK as a Reference Standard

**FORM:** Purified, in sterile water

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.