

## 32-7358: Recombinant Human Urokinase-Type Plasminogen Activator/uPA/PLAU (C-6His)

**Gene :** PLAU  
**Gene ID :** 5328  
**Uniprot ID :** P00749

### Description

Source: Human Cells.  
MW :47.41kD.

Recombinant Human Urokinase is produced by our Mammalian expression system and the target gene encoding Ser21-Leu431 is expressed with a 6His tag at the C-terminus. Recombinant Human Urokinase-Type Plasminogen Activator is a serine protease, which specifically cleaves the zymogen plasminogen to form the active enzyme plasmin. Urokinase-Type Plasminogen Activator is a potent marker of invasion and metastasis in many human cancers associated with breast, colon, stomach, bladder, brain, ovary and endometrium. Human Urokinase-Type Plasminogen Activator is initially synthesized as 431 amino acid precursor with a N-terminal signal peptide residues. The single chain molecule is processed into a disulfide-linked two-chain molecule. There exists two forms A chain, the long A chain contains an EGF-like domain that is responsible for binding of the uPA receptor. The B chain corresponds to the catalytic domain.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, 2mM CaCl, 10% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** SNELHQVPSNCDLNGGTCVSNKYFSNIHWCNCPKFGGQHCIDKSKTCYEGNGHFYRGKASTDTMGRPCL  
PWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE  
LKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHCFIDYPKKEDIYVYLG  
RSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEIT  
GFGKENSTDYLYPEQLKMTVVKLISHRECQPHYYGSEVTTKMLCAADPQWKT DSCQGDSSGGPLVCSLQGRM  
TLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKENGLALVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.