## 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 : 47.41 kD .
Recombinant Human Urokinase is produced by our Mammalian expression system and the target gene encoding Ser21-Leu431 is expressed with a 6 His 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 :

$10 \mu \mathrm{~g} / 50 \mu \mathrm{~g}$
Content :
Storage condition :
Amino Acid :
Supplied as a $0.2 \mu \mathrm{~m}$ filtered solution of 20 mM HEPES, $150 \mathrm{mM} \mathrm{NaCl}, 2 \mathrm{mM} \mathrm{CaCl}, 10 \%$ Glycerol, pH 7.5.
Store at $-20^{\circ} \mathrm{C}$, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTCYEGNGHFYRGKAST DTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECM VHDCADGKKPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLI SPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIR SKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQP HYYGSEVTTKMLCAADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTR VSHFLPWIRSHTKEENGLALVDHHHHHH

## Application Note

Endotoxin : Less than $0.1 \mathrm{ng} / \hat{A} \mu \mathrm{~g}(1 \mathrm{IEU} / \hat{A} \mu \mathrm{~g})$ as determined by LAL test.

