

## PLAU/uPA Protein, Human, Recombinant (His)

## General Information

Synonyms: uPA;U-plasminogen activator;Urokinase-type plasminogen activator;PLAU

Protein Construction: 21-431 aa

Species: Human

Expression Host: HEK293 Cells

Accession: P00749

Molecular Weight: 47.9 kDa (Predicted)

AA Sequence:

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKFKGGQHCEIDKSKTCYEGNGHFYRGKASTDTMGRPC  
LPWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSP  
PEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHCFIDYPPKEDYI  
VYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFG  
TSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQOPHYYGSEVTTKMLCAADPQWKTDSCQGDSGGPLVC  
SLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKENGLAL

## QC Testing

Biological Activity: Fully active measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). PLAU needs to be activated by Plasmin to be enzymatically active. The specific activity is above 2000 pmol/min/ug.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4

## Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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