

# Human Urokinase/PLAU (His Tag) recombinant protein



Catalog Number: 503537

## General Information

### Protein Construction

A DNA sequence encoding the human PLAU (NP\_002649.1) (Met 1-Leu 431) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human uPA at 5 µg/ml (100 µl/well) can bind mouse PLAUR with a linear ranger of 1.6-40 ng/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 21

### Molecular Mass

The secreted recombinant human PLAU comprises

422 amino acids with a predicted molecular mass of 46 kDa. As a result of glycosylation, rhPLAU migrates as three bands corresponding to the long A chain, B chain and unprocessed full-length PLAU with the molecular mass of 18, 32 and 50 kDa respectively in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

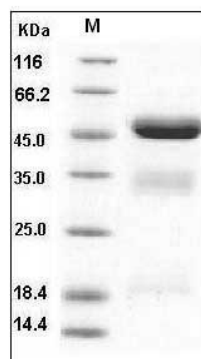
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Urokinase / PLAU Protein (His Tag) SDS-PAGE