

Human Urokinase/PLAU (His Tag) recombinant protein



Catalog Number: 502582

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. The purified protein was activated by trypsin in vitro.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). The specific activity is >2000 pmoles/min/μg.

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 and cleavage, rhPLAU migrates as three bands corresponding to the long ? chain, ? 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

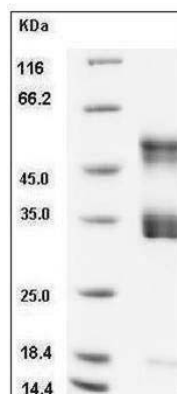
Storage

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 (activated by trypsin) Protein (His Tag) SDS-PAGE