

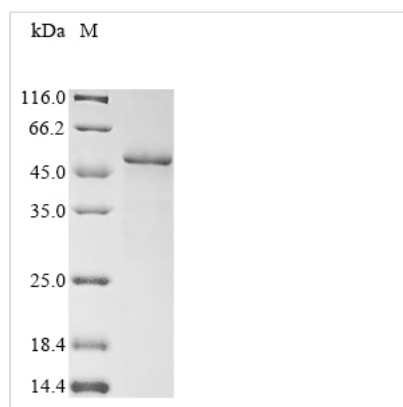


# Recombinant Human Urokinase-type plasminogen activator (PLAU)

<b>Product Code</b>	CSB-EP360437HU
<b>Abbreviation</b>	Recombinant Human PLAU protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P00749
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTCYE GNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNYCR NPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELKFQCGQKTLR PRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHCFIDY PKKEDIYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSK EGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVV KLISHRECQQPHYYGSEVTTKMLCAADPQWKTDSCQGDSSGGLVCSLQGRM TLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKEENGLAL
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	PLAU
<b>Protein Names</b>	Recommended name: Urokinase-type plasminogen activator Short name= U-plasminogen activator Short name= uPA EC= 3.4.21.73Cleaved into the following 3 chains: 1. Urokinase-type plasminogen activator long chain A 2. Urokinas
<b>Expression Region</b>	21-431aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged
<b>Mol. Weight</b>	52.4 kDa
<b>Protein Length</b>	Full Length of Mature Protein



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The process for recombinant Human PLAU protein synthesis in e.coli cells includes recombining the DNA fragment that encodes the Human PLAU protein (21-431aa) into expression vector, transforming the recombinant vector into e.coli cells, screening positive cells, cultivating and inducing cells, conducting cell lysis, and performing expression analysis. The resulting recombinant Human PLAU protein is purified from the cell lysate using affinity purification, with its purity exceeding 85% as determined by SDS-PAGE.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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