

Active Recombinant Human PLAU protein(activated by trypsin), His-tagged

Cat. No. PLAU-389H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLAU protein(NP_002649.1) (Met 1-Leu 431) with a C-terminal polyhistidine tag was expressed in HEK293. The purified protein was activated by trypsin in vitro.
Species	Human
Source	HEK293
ProteinLength	1-431 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave a peptide substrate, N-carbobenzyl-oxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). The specific activity is >2000 pmoles/min/μg.
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 α chain, β chain and unprocessed full-length PLAU with the molecular mass of 18, 32 and 50 kDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.

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Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PLAU plasminogen activator, urokinase [Homo sapiens]
Official Symbol	PLAU
Synonyms	PLAU; plasminogen activator, urokinase; urokinase-type plasminogen activator; UPA; URK; U-plasminogen activator; plasminogen activator, urinary; ATF; QPD; u-PA; BDPLT5;
Gene ID	5328
mRNA Refseq	NM_001145031
Protein Refseq	NP_001138503
MIM	191840
UniProt ID	P00749

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