

Recombinant Human PLAU Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLAU-6401H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLAU MS Standard C13 and N15-labeled recombinant protein (NP_002649) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.
Molecular Mass	48.5 kDa
AA Sequence	MRALLARLLLCVLLVSDSKGSNELHQVPSNCDLNGGTCVSNKYFSNIHWCNCPKK FGGQHCEIDKSKTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDA LQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISAT
 HCFIDYPPKKEDYIVYLGSRSLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIR
 SKEGRCAQPSRTIQITICLPSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLI
 SHRECQQPHYYGSEVTTKMLCAADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVS
 WGRGCALKDKPGVYTRVSHFLPWIRSHSHTKEENGLALTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PLAU plasminogen activator, urokinase \[Homo sapiens \(human\) \]](#)

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_002658](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

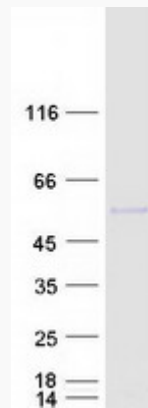
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_002649

MIM 191840

UniProt ID P00749

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA