

Recombinant Human PLAU Protein, MYC/DDK-tagged

Cat. No. PLAU-1868H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human PLAU protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293

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. [provided by RefSeq, Jan 2016].

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 46.3 kDa

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

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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

Official Symbol [PLAU](#)

Synonyms ATF; BDPLT5; QPD; u-PA; UPA; URK

Gene ID [5328](#)

mRNA Refseq [NM_001145031](#)

Protein Refseq [NP_001138503](#)

MIM [191840](#)

UniProt ID [P00749](#)

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