

Active Native Human Plasminogen

Cat. No. PLG-252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Plasma
Description	Found at 12 mg per 100 ml normal plasma. It is the precursor of the serine protease plasmin which is involved in fibrinolysis.
Form	Lyophilized
Bio-activity	≥ 120 units/mg protein. One unit is defined as the amount of enzyme which will hydrolyze 1 μ mole of N-tosyl-L-arginine methyl ester in 30 minutes at 37°C at pH 8.0.
Molecular Mass	MW: 90,000 to 92,000
Purity	>95% by SDS-PAGE
Usage	For research or further manufacturing use only.
Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Stability	>1 year

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Storage	<=>
Storage Buffer	20 mM Tris-HCl, pH 7.5, with 2 mM EDTA
GENE INFORMATION	
Gene Name	PLG plasminogen [Homo sapiens]
Official Symbol	PLG
Synonyms	PLG; plasminogen; plasmin; DKFZp779M0222;
Gene ID	5340
mRNA Refseq	NM_001168338
Protein Refseq	NP_001161810
MIM	173350
UniProt ID	P00747
Chromosome Location	6q26
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem;

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Function

apolipoprotein binding; cell surface binding; peptidase activity; protein binding; protein domain specific binding; serine-type endopeptidase activity;

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