

Product Data Sheet



Product number **P012**
Revision number **RN5.0**

Product Name	human Plasmin, recombinant
Synonym	rh-PIs, rh-Fibrinolysin
Description	<p>Plasmin is a serine endopeptidase that hydrolyzes peptide and ester bonds at the carboxylic side of Lys or Arg. Plasmin cleaves the fibrin clot and blood coagulation factors V/Va and VIII/VIIIa. Further, it is involved in the activation of growth factors like VEGF and TGF-β.</p> <p>Generated by activation of recombinant human Glu-Plasminogen (produced in insect cells) with human urokinase.</p>
Source	recombinantly produced in insect cells
Molecular Weight	80 kDa
Application	Coagulation research, medical research, protein-structure, sequence analysis, and biochemical research
Quantity	100 μ g
Purity	> 95% (visually by SDS-PAGE).
Appearance	White lyophilized solid
Activity	> 25 U/mg Plasmin [Activity is determined by measuring the rate of hydrolysis of chromogenic peptide substrate N-Tosylglycyl-L-prolyl-L-lysine 4-nitroanilide at 37°C].
Reagents	Recombinant human plasmin is lyophilized from a solution in acetic acid water pH 3.7
Reconstitution	Add the volume of water specified in the certificate of analysis under aliquotation to the vial of lyophilized powder. Rotate vial gently until solid dissolves. After reconstitution the solution is stable for 4 h on ice. Avoid repeated freezing and thawing.
Storage	<p>Store at -80°C.</p> <p>If storage at -80°C is not possible, storage at \leq -20°C is recommended. While no formal stability data are available at -20°C, according to our overall experience stability is still given.</p> <p><i>Delivery at ambient temperature is possible</i></p>
Release date	14 February 2024
NOTE	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.