

Native Rat Plasminogen

Cat. No. Plg-1897R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native rat Plg was expressed in rat plasma.
Species	Rat
Source	Rat plasma
Description	Plg is a circulating zymogen that is converted to the active enzyme Plasmin by cleavage of the peptide bond between Arg-560 and Val-561, which is mediated by Urokinase (uPA/PLAU) and Tissue Plasminogen Activator (tPA/PLAT). The main function of Plasmin is to dissolve Fibrin blood clots. Plasmin, like Trypsin, belongs to the family of serine proteases. Fibrin is a cofactor for Plasminogen activation by tPA.
Form	Frozen Liquid in 0.1M HEPES + 0.1 M NaCl pH 7.4.
Molecular Weight	85 kDa
Concentration	10.0 mg/mL
Storage	Store at -70°C.
Pathways	Blood Clotting Cascade; Complement and Coagulation Cascades; Complement and coagulation cascades; Diabetes pathways; Dissolution of Fibrin Clot; Hemostasis; Influenza A; LDL-mediated lipid transport; Lipid digestion; Lipoprotein metabolism; Metabolism of lipids and lipoproteins; Neuroactive ligand-

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receptor interaction; Platelet activation; Platelet degranulation; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs)

GENE INFORMATION

Gene Name [Plg plasminogen \[Rattus norvegicus \]](#)

Official Symbol [Plg](#)

Synonyms Plg; plasminogen; Ab1-346

Gene ID [85253](#)

mRNA Refseq [NM_053491](#)

Protein Refseq [NP_445943](#)

Chromosome Location 1q11

Function apolipoprotein binding; cell surface binding; endopeptidase activity; peptidase activity; serine-type endopeptidase activity

PDB rendering based on 1b2i.

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