

Plasminogen, Human Plasma recombinant protein**PLG****Catalog # PBV11158r****Specification**

Plasminogen, Human Plasma recombinant protein - Product info

Primary Accession

[P00747](#)

Calculated MW

90.0 - 92.0 kDa KDa**Plasminogen, Human Plasma recombinant protein - Additional Info**

Gene ID

5340

Gene Symbol

PLG**Other Names****PLG**

Gene Source

Human

Source

Human Plasma

Assay&Purity

SDS-PAGE; ≥95%

Assay2&Purity2

N/A;

Recombinant

No**Target/Specificity****Plasminogen****Format**

Lyophilized

Storage

-20°C; Lyophilized from 20 mM Tris-HCl, pH 7.5, with 2 mM EDTA.

Plasminogen, Human Plasma recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Plasminogen, Human Plasma recombinant protein - Images**Plasminogen, Human Plasma recombinant protein - Background**

Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation.

Plasminogen is the inactive precursor of plasmin. Plasminogen is activated by the action of either tissue plasminogen activator (tPA), which primarily activates the fibrinolytic (thrombolytic) activity of plasmin, or urokinase plasminogen activator (uPA), which is associated with extracellular matrix remodeling and cell migration. Plasmin cleaves fibrin/fibrinogen and blood coagulation factors V/Va and VIII/VIIIa. It activates matrix metalloproteinases by cleaving the inactive proenzymes. It is also involved in the activation of some growth factors, such as vascular endothelial growth factor (VEGF) and transforming growth factor β (TGF- β).

Plasminogen, Human Plasma recombinant protein - References

Petersen T.E.,et al.J. Biol. Chem. 265:6104-6111(1990).
Forsgren M.,et al.FEBS Lett. 213:254-260(1987).
Browne M.J.,et al.Submitted (OCT-1991) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
Sottrup-Jensen L.,et al.Submitted (JUL-1977) to the PIR data bank.