

Native Bovine PLG Protein

Cat. No. PLG-1867B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Bovine Plasminogen Affinity Purified from bovine plasma by affinity chromatography.
Species	Bovine
Source	Plasma
Description	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. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells.
Form	Frozen liquid
Purity	> 95% as determined by SDS-PAGE.
Applications	This product can be used as a control in applications like ELISA and Western Blot. It can be used in a wide range of in vitro applications, including cell differentiation, cell signaling, clotting assays, fibrinolysis, plasminogen activation, protein-protein interactions, receptor binding, thromboelastography, thrombolysis, zymography, and more. At Innovative Research, we provide reliable, consistent products that deliver reliable, consistent results.

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Storage	At -70 centigrade.
Concentration	5.0 mg/mL
Storage Buffer	0.1M HEPES, 0.1M NaCl, pH 7.4

GENE INFORMATION

Gene Name	PLG plasminogen [Bos taurus (cattle)]
Official Symbol	PLG
Synonyms	PLG; plasminogen; LPA; plasminogen; lipoprotein, Lp(a); plasmin; EC 3.4.21.7
Gene ID	280897
mRNA Refseq	NM_173951
Protein Refseq	NP_776376
UniProt ID	P06868

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