

PLG

Native Human Plasminogen Glu

Catalog No.	CRG128B	Quantity:	1.0 mg
	CRG128C		10 mg

Description: Plasminogen (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. Urokinase Plasminogen Activator Receptor (uPAR) is a cofactor for Plasminogen activation by uPA. Plasmin is inactivated by Alpha-2-Antiplasmin, a serine protease inhibitor (serpin).
Native Human Plasminogen Glu is the native form of plasminogen with N-terminal Glu.

UniProt ID: P00747

Gene ID: 5340

Source: Human Plasma

Molecular Weight: 92.0 kDa

Formulation: Liquid in 0.1 M HEPES, 0.1 M NaCl, pH 7.4

Purification: Immobilized Lysine chromatography

Purity: >95% by SDS-PAGE analysis

Concentration: ≥ 1.0 mg/ml, lot specific

Extinction Coefficient: $E^{0.1\%}_{280nm} = 1.69$

Storage & Stability: Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

Certification: Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

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