SAMARTH BIOLOGICALS

Plasminogen

Description:

Plasminogen is a single-chain glycoprotein containing 791 amino acid residues and 2% carbohydrate. Plasminogen is the inactive precursor of plasmin, a potent serine protease involved in the dissolution of fibrin blood clots.

Application:

Plasmin cleaves fibrin/fibrinogen and blood coagulation factorsV/Va and VIII/VIIIa. It activates metalloproteinases by cleaving the inactive proenzymes. It is also involved in the activation of growth factors, such as vascular endothelial growth factor (VEGF) and transforming growth factor β (TGF-β).

MW: 92,000 Daltons.
Activity: 3-5 units/mg protein.
Storage and form: -20 °C (Lyophilized powder)
Package size: Bulk.
Reference:

1. Parfyonova, Y.V. et al., Plasminogen activators in vascular remodeling and angiogenesis. Biochemistry 67, 119, (2002).
2. Rifkin, D.B., et al., Plasminogen/plasminogen activator and growth factor activation. Ciba Found. Symp. 212, 105, (1997).
3. Rijken, D.C., and , Sakharov, D.V., Basic principles in thrombolysis: regulatory role of plasminogen. Thromb. Res. 103, Suppl. 1, (2001).