

SERPINE1

Recombinant Human Plasminogen Activator Inhibitor 1 Active

Catalog No.	CRP173B CRP173C	Quantity:	500 µg 1.0 mg
Alternate Names:	PAI, PAI1, PAI-1, PLANH1		
Description:	Plasminogen Activator Inhibitor 1 ((SERPINE1/PAI1) is the principal inhibitor of Tissue Plasminogen Activator (tPA) and Urokinase (uPA), the activators of Plasminogen and hence fibrinolysis. It is a serine protease inhibitor (serpin) protein (SERPINE1). PAI1 is mainly produced by the endothelium, but is also secreted by other tissue types, such as adipose tissue. Defects in the SERPINE1 gene are the cause of Plasminogen Activator Inhibitor 1 deficiency (PAI1 deficiency), and high concentrations of SERPINE1/PAI1 are associated with Thrombophilia.		
Gene ID:	5054		
Source:	<i>E. coli</i>		
Molecular Weight:	43.0 kDa		
Formulation:	Frozen liquid in 0.05 M Sodium Phosphate + 0.1M NaCl + 1 mM EDTA, pH 6.6		
Purity:	>99% by SDS-PAGE		
Biological Activity:	>98% active as determined by titration with HMW tc-uPA and SDS-PAGE		
Storage & Stability:	Store in working aliquots at -80°C. 3 years from delivery. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

