

## 32-2807: SERPINE1 Recombinant Protein

**Alternative Name :** PAI-1,PAI1,PLANH1,SERPINE1,PAIE,PLASMINOGEN ACTIVATOR INHIBITOR,BETA-MIGRATING ENDOTHELIAL-CELL-DERIVED TYPE.

### Description

Source : Escherichia Coli. SERPINE1 Human Recombinant fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 400 amino acids (24-402) and having a molecular mass of 45 kDa. The SERPINE1 is purified by proprietary chromatographic techniques. Plasminogen activator inhibitor-1 is the principal inhibitor of tissue plasminogen activator(tPA) and urokinase(uPA), the activators of plasminogen and hence fibrinolysis (the physiological breakdown of blood clots). It is a serine protease inhibitor (serpin) protein (SERPINE1). The other PAI, plasminogen activator inhibitor-2 (PAI-2) is secreted by the placenta and only present in significant amounts during pregnancy. In addition, protease nexin acts as an inhibitor of tPA and urokinase. SERPINE1, however, is the main inhibitor of the plasminogen activators.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** 150mM Na<sub>2</sub>HPO<sub>4</sub>, pH 6.6, 0.5mM NaCl, 2mM Glutathione and 0.01% Tween-80.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MVHHPPSYVA HLASDFGVRV FQQAQASKD  
RNVVFSYPYGVASVLAMLQLT TGGETQQIQ AAMGFKIDDK GMAPALRHLY KELMGPWNKD  
EISTTDAIFVQRDLKLVQGF MPHFRLFRS TVKQVDFSEV ERARFIINDW VKTHTKGMIS  
NLLGKGAVDQLTRLVLVNAL YFNGQWKTPF PDSSTHRRLF HKSDGSTVSV PMMAQTNKFN  
YTEFTTPDGHYYDILELPYH GDTLSMFIAA PYEKEVPLSA LTNILSAQLI SHWKGNMTRL  
PRLLVLPKFSLETEVDLRKP LENLGMTDMF RQFQADFTSL SDQEPLHVAQ ALQKVKIEVN  
ESGTVASSSTAVIVSARMAP EEIIMDRPFL FVVRHNPTGT VLFMGQVMPE.