



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### SERPINE1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005054-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SERPINE1 full-length ORF ( AAH10860, 1 a.a. - 402 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MQMSPALTCCLVLGLALVFGEGSAVHHPPSYVAHLASD  
FGVRVFQQVAQASKDRNVVFSYGVASVLAMLQLTT  
GGETQQQIQAAAMGFKIDDKGMAPALRHLYKELMGPW  
NKDEISTTDAIFVQRDLKLVQGFMPHFFRLFRSTVKQV  
DFSEVERARFIINDWVKTHTKGMISNLLGKGAVDQLTR  
LVLVNALYFNGQWKTPFPDSSTHRRLFHKSDGSTVSV  
PMAAQTNKFNYTEFTTDPDGHYYDILELPYHGDTLSMFI  
AAPYEKEVPLSALTNILSAQLISHWKGNMTRLPRLLVLP  
KFSLETEVDLRKPLENLGMTDMFRQFQADFTSLSDQE  
PLHVAQALQKVKIEVNESGTVASSSTAVIVSARMAPEEI  
IMDRPFLFVVRHNPTGTVLFMGQVMEP

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 69.85

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5054

**Gene Symbol:** SERPINE1

**Gene Alias:** PAI, PAI-1, PAI1, PLANH1

**Gene Summary:** This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**References:**

1. Secreted Bacillus anthracis proteases target the host fibrinolytic system. Chung MC, Jorgensen SC, Tonry JH, Kashanchi F, Bailey C, Popov S. FEMS Immunol Med Microbiol. 2011 Mar 11. doi: 10.1111/j. 1574-695X. 2011.00798.x. [Epub ahead of print]