

Product datasheet for **TP723350**

PAI1 (SERPINE1) (NM_000602) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 (SERPINE1), transcript variant 1.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	VHHPPSYVAH LASDFGVRVF QQVAQASKDR NVVFSPIYGVA SVLAMLQLTT GGETQQQIQ AMGFKIDDKG MAPALRHLYK ELMGPWNKDE ISTTDAIFVQ RDLKLVQGM P HFFRLFRST VKQVDFSEVE RARFIINDWV KTHTKGMISN L LGGKGAVDQL TRLVLVNALY FNGQWKTPFP DSSTHRRFLH KSDGSTVSVP MMAQTNKFNY TEFTTPDGHY YDILELPYHG DTLSMFIAAP YEKEVPLSAL TNILSAQLIS HWKGNMTRLR RLLVLPKFSL ETEVDLRKPL ENLGMTDMFR QFQADFTSL DQEPLHVAQA LQKVKIEVNE SGTVASSSTA VIVSARMAPE EIIMDRPFLF VVRHNPTGTV LFMGQVMEP
Tag:	Tag Free
Predicted MW:	42.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole Buffer at 37C. Half maximal inhibition against 1.0 ug/mL of single chain tPA was obtained at a concentration of 2.0ug/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000593
Locus ID:	5054
UniProt ID:	P05121 , A0A024QYT5
RefSeq Size:	3207



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Cytogenetics: 7q22.1

RefSeq ORF: 1206

Synonyms: PAI; PAI-1; PAI1; PLANH1

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. The protein also functions as a component of innate antiviral immunity. 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. [provided by RefSeq, Aug 2020]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades, p53 signaling pathway

Product images:

