

## Product datasheet for **AR31009PU-N**

### SERPINE1 / PAI1 (Wild type) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SERPINE1 / PAI1 (Wild type) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Predicted MW:	43 kDa
Concentration:	lot specific
Purity:	>98% by SDS-PAGE. 80 +/- 5% active by uPA titration. Purified by Column chromatography
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 0.05M Sodium Acetate, 0.1M Sodium Chloride, 1 mM EDTA, pH 5.0 without preservatives
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human Plasminogen Activator Inhibitor 1 (PAI-1), wild type. Does not contain a fusion partner.
Storage:	Store (in aliquots) at -70°C Aliquot to avoid multiple freeze/thaw cycles.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000593</a>
Locus ID:	5054
UniProt ID:	<a href="#">P05121</a> , <a href="#">A0A024QYT5</a>
Cytogenetics:	7q22.1
Synonyms:	PAI; PAI-1; PAI1; PLANH1



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**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