PAI-1 **Human, Recombinant, *E. coli***

Cat. No.: RCP9090 **Size:** 10µg

Synonym: Plasminogen activator inhibitor 1; Endothelial plasminogen activator inhibitor; PAIE; Clade E; PLANH1; SERPINE 1.

Description: PAI-1 is a serine protease inhibitor, which can exist, either in an active inhibitory conformation or in an inactive or latent conformation. PAI-1 is produced mainly by the endothelium but is also secreted by other tissue types including adipose tissue. PAI-1 is the principal inhibitor of tissue plasminogen activator and urokinase, therefore inhibiting fibrinolysis. Increased levels of PAI-1 have been linked with various conditions including cardiovascular disease, thrombosis, insulin resistance and obesity.

Randox recombinant PAI-1 comprises a 379 amino acid fragment (24-402) corresponding to the mature PAI-1 protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Gils, A & Declerck, P.J. 2004 *Curr. Med. Chem*. **11 (17)** : 2323-2334.