

PAI-1 active protein

PAI-1, 24-402aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48474	HOST E Coli	APPLICATIONS SDS-Page
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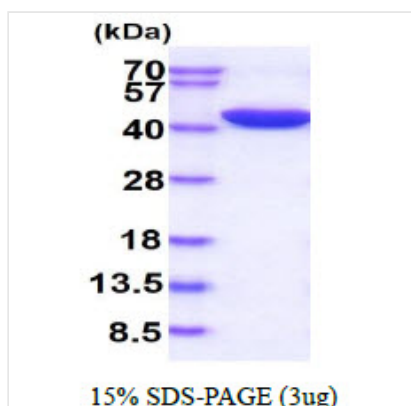
PRODUCT SYNONYMS

PAI-1; 24-402aa; Human; His tag; E Coli (Bioactivity Validated); Plasminogen activator inhibitor-1; PLANH1; SERPINE1; PAI1; PAI-1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 50mM NaAc (pH 5.5) containing 10% glycerol, 0.1M NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	24-402aa
Sequence	MGSSHHHHH SSGLVPRGSH MVHHPPSYVA HLASDFGVRV FQQAQASKD RNVVFSPYGV ASVLAMLQLT TGGETQQIQ AAMGFKIDDK GMAPALRHLY KELMGPWNKD EISTTDAIFV QRDCLKVQGF MPHFFRLFRS TVKQVDFSEV ERARFIINDW VKTHTKGMIS NLLGKGAVDQ LTRLVLVNAL YFNGQWKTPF PDSSTHRRLF HKSDGSTVSV PMMAQTNKFN YTEFTTPDGH YYDILELPYH GDTLSMFIAA PYEKEVPLSA LTNILSAQLI SHWKGNMTRL PRLVLPKFS LETEVDLRKP LENLGMTDMF RQFQADFTSL SDQEPLHVAQ ALQVKKIEVN ESGTVASSST AVIVSARMAP EEIIMDRPFL FVVRHNPTGT VLFMGQVMEP
Sequence Length	402
Applicable Applications for PAI-1 active protein	Enzyme Activity, SDS-PAGE
Tag Information	His-tag
Biological Activity	The IC50 for this effect is less than 3 nM, Measured by its ability to inhibit uPA cleavage of the substrate Z-GGR-AMC.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PAI-1 active protein	Plasminogen activator inhibitor-1 (PAI-1), a member of the serine protease inhibitor (serpin) super family. PAI-1 is the principal inhibitor of tissue plasminogen activator and urokinase, the activators of plasminogen and hence fibrinolysis. PAI-1 is mainly produced by the endothelium but is also secreted by other tissue types, such as adipose tissue. Recombinant human PAI-1, fused to His tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PAI-1 active protein	Enzymes & Proteases
References	Gorlatova NV., et al. (2007) J Biol Chem. 282 (12):9288-96.; Renckens R., et al. (2006) J Immunol. 177 (11):8171-6.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835159
NCBI GeneID	5054
NCBI Accession #	NP_000593
NCBI GenBank Nucleotide #	NM_000602.4
UniProt Accession #	P05121; B7Z4S0; F8WD53
Molecular Weight	45 kDa (400 aa)
NCBI Official Full Name	plasminogen activator inhibitor 1
NCBI Official Synonym Full Names	serpin family E member 1
NCBI Official Symbol	SERPINE1
NCBI Official Synonym Symbols	PAI; PAI1; PAI-1; PLANH1
NCBI Protein Information	plasminogen activator inhibitor 1
UniProt Protein Name	Plasminogen activator inhibitor 1
UniProt Gene Name	SERPINE1
UniProt Synonym Gene Names	PAI1; PLANH1; PAI; PAI-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/pai-1/48474>