

Product datasheet

Recombinant human PAI1 protein ab184606

1 Image

Description

Product name	Recombinant human PAI1 protein
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P05121
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	43 kDa
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab184606** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies Western blot SDS-PAGE
Form	Liquid

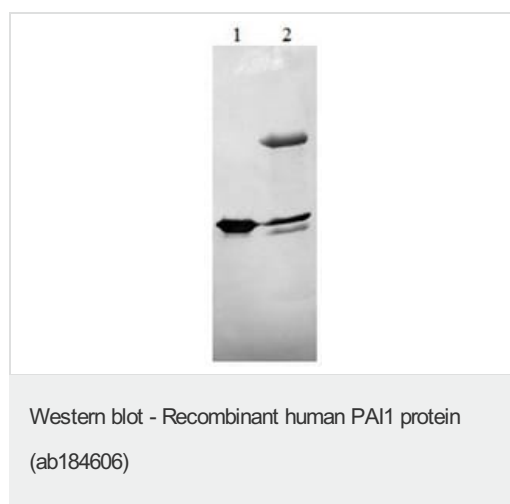
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. pH: 6.60 Constituents: 0.58% Sodium chloride, 0.03% EDTA, 0.7% Sodium phosphate This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major control point in the regulation of fibrinolysis.
Tissue specificity	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.
Involvement in disease	Defects in SERPINE1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1D) [MIM:613329]. It is a hematologic disorder characterized by increased bleeding after trauma, injury, or surgery. Affected females have menorrhagia. The bleeding defect is due to increased fibrinolysis of fibrin blood clots due to deficiency of plasminogen activator inhibitor-1, which inhibits tissue and urinary activators of plasminogen. Note=High concentrations of SERPINE1 seem to contribute to the development of venous but not arterial occlusions.
Sequence similarities	Belongs to the serpin family.
Post-translational modifications	Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-Met-370 bond.
Cellular localization	Secreted.

Images



All lanes : Anti-His tag antibody

Lane 1 : Recombinant human PAI1 protein (ab184606) at 1 µg

Lane 2 : Human PAI1 (1 µg) + Human uPA (5 µg) proteins

Predicted band size: 43 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
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