Recombinant Human Serpin E1/PAI-1 Protein

Catalog No.: RP00532

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Sequence Information

Species
Human

Gene ID
5054

Swiss Prot
P05121

Tags
C-His

Synonyms
PAI,PAI-1,PAI1,PLANH1,SERPINE1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
43.61 kDa

Observed MW
45-60 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.0.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Serpins are a group of proteins with similar structures that were first identified as a set of proteins able toinhibit proteases. They are the largest and most diverse family of serine protease inhibitors which are involvedin a number of fundamental biological processes such as blood coagulation, complement activation,fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner.Serpin E1 is a secreted protein which belongs to the Serpin family. Serpin E1 acts as 'bait' for tissueplasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major controlpoint in the regulation of fibrinolysis. Defects in SERPINE1 are characterized by abnormal bleeding due toSerpin E1 defect in the plasma. High concentrations of Serpin E1 have been associated with thrombophiliawhich is an autosomal dominant disorder in which affected individuals are prone to develop seriousspontaneous thrombosis.

Basic Information

Description
Recombinant Human Serpin E1/PAI-1 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Val24-Pro402) of human Serpin E1 (Accession #P05121) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

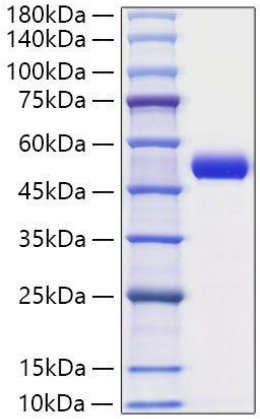
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Serpin E1/PAI-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.