

## Recombinant Human SerpinA10/SERPINA10 Protein (His Tag)

Catalog No. PKSH033031

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

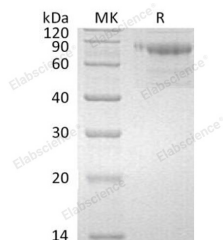
### Description

<b>Synonyms</b>	Protein Z-Dependent Protease Inhibitor;PZ-Fependent Protease Inhibitor;PZI;Serpin A10;SERPINA10;ZPI
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Leu22-Leu444
<b>Accession</b>	Q9UK55
<b>Calculated Molecular Weight</b>	49.5 kDa
<b>Observed molecular weight</b>	55-80 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM CaCl <sub>2</sub> , pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Serpin A10 is a secreted protein that belongs to the serpin family. It is predominantly expressed in the liver and secreted in the plasma. Its phosphorylation sites are present in the extracellular medium. It inhibits factors Xa and XIa of the coagulation cascade in the presence of protein Z, calcium, and phospholipid. Mutations in SERPINA10 are associated with venous thrombosis.