



Recombinant Protein Technical Manual

Recombinant Human SerpinA10/SERPINA10 Protein (His Tag) RPES4511

Product Data:

Product SKU: RPES4511

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UK55

Protein Information:

Molecular Mass: 49.5 kDa

AP Molecular Mass: 78 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM GaCl₂, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein Z-Dependent Protease Inhibitor; PZ-Dependent Protease Inhibitor; PZI; Serpin A10; SERPINA10; ZPI

Immunogen Information:

Sequence: Leu22-Leu444

Background:

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.