



Recombinant Protein Technical Manual

Recombinant Human SerpinI2 Protein (His Tag)

RPES4785

Product Data:

Product SKU: RPES4785

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O75830

Protein Information:

Molecular Mass: 45.1 kDa

AP Molecular Mass: 44-60 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,pH7.4.

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

Application:

Synonyms: SERPINI2;Serpin I2;Myoepithelium-derived serine protease inhibitor;Pancreas-specific protein TSA2004;Peptidase inhibitor 14;PI4;MEPI;PI14;MEPI;PANCPIN;PI14;TSA2004

Immunogen Information:

Sequence: Ser19-Leu405

Background:

SERPINI2 is a secreted protein of the serpin family. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. As protease inhibitors, serpins have an array of functions including regulating blood coagulation, fibrinolysis, the complement pathway, angiogenesis, inflammation, tumor suppression, extracellular matrix remodeling, and cell motility. SERPINI2 is expressed in human tissues including pancreas and adipose tissues. Mutations of human SERPINI2 can directly result in conditions such as acinar cell apoptosis and malabsorption.