



Recombinant Protein Technical Manual

Recombinant Mouse Serpina1c Protein (His Tag)

RPES3764

Product Data:

Product SKU: RPES3764

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q00896

Protein Information:

Molecular Mass: 44.4 kDa

AP Molecular Mass: 46 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by 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 PBS, pH7.4.

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

Application:

Synonyms: Alpha-antitrypsin 1-3;Alpha protease inhibitor 3;Alpha protease inhibitor 6;Alpha-antitrypsin 1-6;Serine protease inhibitor 1-3;Serine protease inhibitor 1-6;Serine protease inhibitor A1c;Serpina1c;Serpina1c;Dom3; Dom6; Spi1-3; Spi1-6

Immunogen Information:

Sequence: Glu25-Lys413

Background:

Alpha-antitrypsin 1-3(SERPIN A1) is a secreted protein and belongs to the serpin family. Serpins bind the protease active site resulting in a major conformational rearrangement that traps the enzyme in a covalent acyl-enzyme intermediate. Mouse SERPIN A1 is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.