



Recombinant Protein Technical Manual

Recombinant Mouse SerpinA1/A1AT Protein (His Tag)

RPES2239

Product Data:

Product SKU: RPES2239

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P07758

Protein Information:

Molecular Mass: 44.5 kDa

AP Molecular Mass: 52 kDa

Tag: C-His

Bio-activity:

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

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.

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; Serpin A1c; 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.