

Recombinant Mouse SerpinA1/A1AT Protein (His Tag)

Catalog No. PKSM041362

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

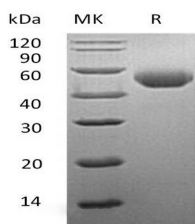
Description

Synonyms	Alpha-1-antitrypsin 1-3;Alpha-1 protease inhibitor 3;Alpha-1 protease inhibitor 6;Alpha-1-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
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu25-Lys413
Accession	AAH11040.1
Calculated Molecular Weight	44.3 kDa
Observed molecular weight	50-60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Alpha-1-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

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variants encoding the same protein have been found for this gene.