Recombinant Mouse Alpha-1-antitrypsin 1-1/Serpin A1e (C-6His)



Catalog Number: PKSM041392

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

Description

Synonyms Alpha-1-antitrypsin 1-5; Alpha-1 protease inhibitor 5; Serine protease inhibitor

1-5;Serine protease inhibitor A1e;Serpin A1e;Serpina1e;Dom5;Spi1-5

Species Mouse

Expression Host HEK293 Cells
Sequence Glu25-Lys413
Accession Q00898
Calculated Molecular Weight 44.5 kDa
Observed molecular weight 47-68 kDa
Tag C-His

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

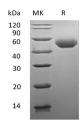
Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

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 1-5(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 orliver disease. Several transcript variants encoding the same protein have been found for this gene.

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