

Serpine A1e Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Dom5; α -1-antitrypsin 1-5;Serpina1e;Spi1-5;Serine protease inhibitor A1e;Serine protease inhibitor 1-5;Alpha-1-antitrypsin 1-5;Serpine A1e; α -1 protease inhibitor 5;Alpha-1 protease inhibitor 5
Protein Construction:	Glu25-Lys413
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q00898
Molecular Weight:	47-68 KDa (reducing condition)
AA Sequence:	Glu25-Lys413

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Alpha-1-antitrypsin 1-5(SERPINE 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 SERPINE 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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