

Serpin A3N Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Serpina3n;Serine protease inhibitor A3N;Spi2;Serpin A3N
Protein Construction:	Phe21-Lys418
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q91WP6
Molecular Weight:	58 KDa (reducing condition)
AA Sequence:	Phe21-Lys418

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/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm 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

Serine protease inhibitor A3N(Serpin A3N) is a serine protease inhibitor that is structurally related to α 1 antichymotrypsin encoded by the SERPINA3 gene. Serpin A3N is highly expressed in brain, testis, lung, thymus, and spleen. It is expressed with low levels in bone marrow, kidney and skeletal muscle. Serpin A3N secreted by Sertoli cells may regulate the activity of locally produced Granzyme B. Granzyme B inhibition by Serpin A3N may therefore regulate Granzyme B mediated killing by cytotoxic lymphocytes, providing a means to disable cell mediated immune responses.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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