



Recombinant Protein Technical Manual
Recombinant Mouse Serpin A3N Protein (His Tag)
RPES0653

Product Data:

Product SKU: RPES0653

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q91WP6

Protein Information:

Molecular Mass: 45.6 kDa

AP Molecular Mass: 58 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: Serine protease inhibitor A3N; Serpin A3N; Serpina3n; Spi2

Immunogen Information:

Sequence: Phe21-Lys418

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.