

Serpin A3N Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71302
Synonyms:	Serine protease inhibitor A3N; Serpin A3N; Serpina3n; Spi2
Species:	Mouse
Source:	HEK293
Accession:	Q91WP6 (F21-K418)
Gene ID:	20716
Molecular Weight:	57-61 kDa

PROPERTIES

AA Sequence	<pre> FPDGT LGMDA AVQEDHDNGT QLDSLTLASI NTDFAFSLYK ELVLKNPDKN IVFSPLSISA ALAVMSLGAK GNTLEEILEG LKFNL TETSE ADIHQGGFHL LQRLNQP KDQ VQISTGSALF IEKRQQILTE FQEKAKTLYQ AEAFTADFQQ PRQAKKLIND YVRKQTQGM I KELVSDLDKR TLMVLVNYIY FKAKWKVPFD PLDTFKSEFY AGKRRPVIVP MMSMEDLTTP YFRDEELSCT VVELKYTGNA SALFILPDQG RMQQVEASLQ PETLRKWKNS LKPRMIDELH LPKF S ISTDY SLEDVLSKLG IREVFSTQAD LSAITGTDL RVSQVVHKAV LDVAETGTEA AAATGVKFVP MSAKLYPLTV YFNRPFLIMI FDTETE IAPF IAKIANPK </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Serpin A3N protein, a ubiquitous player in various tissues, is expressed at elevated levels in the brain, heart, liver, lung, spleen, testis, and thymus. Its presence in these tissues underscores its potential involvement in diverse physiological functions within these organs. In contrast, Serpin A3N is expressed at lower levels in the bone marrow, kidney, and skeletal
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muscle, suggesting a differential regulatory pattern across tissues. The varying expression levels highlight the tissue-specific roles and regulatory mechanisms of Serpin A3N, emphasizing its importance in maintaining homeostasis and contributing to the functionality of specific organs and systems.

Caution: Product has not been fully validated for medical applications. For research use only.

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