

Serpin A3N Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P71841
Synonyms:	Serpina3n; Spi2; Serine protease inhibitor A3N; Serpin A3N
Species:	Mouse
Source:	P. pastoris
Accession:	Q91WP6 (21F-418K)
Gene ID:	20716
Molecular Weight:	Approximately 46.8 kDa

PROPERTIES

AA Sequence	<pre> FPDGT LGMDA AVQEDHDNGT QLDSLTLASI NTDFAFSLYK ELVLKNPDKN IVFSPLSISA ALAVMSLGAK GNTLEEILEG LKFNL TETSE ADIHQGFHGL LQRLNQPKDQ VQISTGSALF IEKRQQILTE FQEKAKTLYQ AEAFTADFQQ PRQAKKLIND YVRKQTQGM I KELVSDLDKR TLMVLVNYIY FKAKWKVPFD PLDTFKSEFY AGKRRPVIVP MMSMEDLTTP YFRDEELSCT VVELKYTGNA SALFILPDQG RMQQVEASLQ PETLRKWKNS LKPRMIDELH LPKFSISTDY SLEDVLSKLG IREVFSTQAD LSAITGTKDL RVSQVVHKAV LDVAETGTEA AAATGVKFVP MSAKLYPLTV YFNRPFLIMI FDTETEIAPF IAKIANPK </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA