



Recombinant Mouse Serpina3n Protein Product Manual

1. Product Basic Information

Product No.: REP08202

Protein Name: Serine Protease Inhibitor A3N (Serpina3n)

Aliases: Serpina3n; Spi2; Serine protease inhibitor A3N; Serpin A3N

UniProt ID: Q91WP6

UniProt Link: <https://www.uniprot.org/uniprotkb/Q91WP6/entry>

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: full length protein(mutation) (21-418aa (ins21S, Δ315S))

Molecular Weight: 46.8kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (21-418aa (ins21S, Δ315S))

SFPDGTLGMDAAVQEDHDNGTQLDSLTLASINTDFAFSLYKELVLKNPDKNIVFSPL
SISAALAVMSLGAKGNTLEEILEGLKFNLTTETSEADIHQGFHLLQRLNQPDKDQVQIS
TGSALFIEKRQQILTEFQEKAKTLYQAEAFADDFQQPRQAKKLINDYVRKQTQGMIK
ELVSDLDKRTLMLVNYIYFKAKWKVPFDPLDTFKSEFYAGKRRPVIVPMMSMEDLT
TPYFRDEELSCTVVELKYTGNASALFILPDQGRMQQVEASLQPETLRKWKNSLKPR
MIDELHLPKFISTDYSLEDVLSKLGIREVFSTQADLSAITGKDLRVSQVVKAVLDVA
ETGTEAAAATGVKFPMSAKLYPLTVYFNRPFLLMIFDTETEIAPFIAKIANPK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse Serpina3n full length protein(mutation) protein (21-418aa (ins21S, Δ315S)) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. Serpina3n, also known as Serpina3n or Spi2 or Serine protease inhibitor A3N, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.