

# Recombinant Mouse SPA3B Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP52174

Size: 10ug, 100ug

Protein Name: Serine protease inhibitor A3B (Serpina A3B)

Synonym: Serpina3b

UniProt ID: Q8BYY9

UniProt Link: [www.uniprot.org/uniprotkb/Q8BYY9/entry](http://www.uniprot.org/uniprotkb/Q8BYY9/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 420 AA

Molecular Weight: 47 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MAFIAALGLLMAEICPAVICCSGDTLGMHNAVQKGQDTQKQLDSLTLASINTDFAFSFYKELALKNPH  
KNIAFSPFGIATALNSLTGAKGNTLEEILEVLKFNLTETSEADIHQGFKHLLQRLSHPGDQVQIRTGN  
ALFVEKHLQILAEFKEKARALYHTEVFTANFQQPHEAMKLINSYMSNQTQGKIKELVSDMDGNTSMVI  
VNDLFFKA EWMPFNSDDTFMGKFIVDRSRHV KVPMMKTKNLRTPYFRDEELKCTVVELNYKGNGK  
AMFILPDQGKMQQVEASLQPGTLKKWRKSLRPRKIKELHLPKFSLSQHYNLEDILPELGIRELFSTQA  
DLSGITGVKNITVSEMIHSTELDMTEKGTEGDAITIVGYNFMSAKLKPVFVKFEDQFLYIVLDQGD LWI  
HVMGKVINPSEK

## 3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

## 5. Product Description

This product is recombinant Serine protease inhibitor A3B (Serpine A3B) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: N/A

Subcellular Localization: Secreted .

## 6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.