# Serine Protease Inhibitor A3B (SERPINA3B) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Serine protease inhibitor A3B (Serpina3b), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Serine protease inhibitor A3B (Serpina3b) |
| **Product Gene Name** | Serpina3b recombinant protein |
| **Product Synonym Gene Name** | Serpina3b |
| **Sequence** | VICCSDGTLG MHNAVQKGQD TQKQLDSLTL ASINTDFAFS FYKELALKNP HKNIAFSPFG IATALNSLTL GAKGNTLEEI LEVLKFNLTE TSEADIHQGF KHLLQRLSHP GDQVQIRTGN ALFVEKHLQI LAEFKEKARA LYHTEVFTAN FQQPHEAMKL INSYMSNQTQ GKIKELVSDM DGNTSMVIVN DLFFKAEWMV PFNSDDTFMG KFIVDRSRHV KVPMMKTKNL RTPYFRDEEL KCTVVELNYK GNGKAMFILP DQGKMQQVEA SLQPGTLKKW RKSLRPRKIK ELHLPKFSLS QHYNLEDILP ELGIRELFST QADLSGITGV KNITVSEMIH STELDMTEKG TEGDAITIVG YNFMSAKLKP VFVKFEDQFL YIVLDQGDLW IHVMGKVINP SEK |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 47,415 Da |
| **Sequence Positions** | 18-420, full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q8BYY9 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Serpina3b recombinant protein** | MBS1347010 is a recombinant protein targeting Serpina3b. Also known as Recombinant Mouse Serine protease inhibitor A3B (Serpina3b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Serpina3b recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Serpina3b. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 27370538 |
| **NCBI GeneID** | 271047 |
| **NCBI Accession #** | NP_766612.1 |
| **UniProt Primary Accession #** | Q8BYY9 |

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| **UniProt Related Accession #** | Q8BYY9 |
| **GenBank Nucleotide #** | NM_173024.3 |
| **NCBI Official Full Name** | serine protease inhibitor A3B |
| **NCBI Official Synonym Full Names** | serine (or cysteine) peptidase inhibitor, clade A, member 3B |
| **NCBI Official Symbol** | Serpina3b |
| **NCBI Official Synonym Symbols** | 6A1; A030003A19Rik |
| **UniProt Protein Name** | Serine protease inhibitor A3B |
| **Protein Family** | Serine protease inhibitor |
| **UniProt Gene Name** | Serpina3b |
| **UniProt Synonym Gene Names** | Serpin A3B |
| **NCBI Protein Information** | serine protease inhibitor A3B |
| **UniProt Comments for Serpina3b** | MiscellaneousThe single human alpha1-antichymotrypsin gene (SERPINA3) is represented by a cluster of 14 individual murine paralogs. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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