# Recombinant Mouse Serpina3c protein(Met1-Ala417), His-tagged

**Cat. No.** Serpina3c-2308M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse SERPINA3C (NP_032484.1)(Met 1-Ala 417) was expressed in HEK293, with a C-terminal polyhistidine tag. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **ProteinLength** | Met1-Ala417 |
| **Form** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| **Molecular Mass** | The secreted recombinant mouse SERPINA3C comprises 406 amino acids with a predicted molecular mass of 46 kDa. As a result of diiferent glycosylation, the apparent molecular mass of rm SERPINA3C is approximately 50-60 kDa and 110 kDa in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | > 95 % as determined by SDS-PAGE |
| **Storage** | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | Serpina3c serine (or cysteine) peptidase inhibitor, clade A, member 3C [ Mus musculus ] |
| **Official Symbol** | Serpina3c |
| **Synonyms** | SERPINA3C; serine (or cysteine) peptidase inhibitor, clade A, member 3C; serine protease inhibitor A3C; KBP; serpin A3C; alpha-1 antiproteinase; kallikrein binding protein; kallikrein-binding protein; serine (or cysteine) proteinase inhibitor, clade A, member 3C; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3C; 1A1; spi2; Kalbp; Klkbp; MGC144822; |
| **Gene ID** | 16625 |
| **mRNA Refseq** | NM_008458 |
| **Protein Refseq** | NP_032484 |

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