

Active Recombinant Mouse Serpina1c Protein, His-tagged

Cat. No. Serpina1c-618M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpina1c (Accession # NP_033271) Glu25-Lys413, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Glu25-Lys413
Predicted N Terminal	Glu25
Form	Supplied as a 0.2 µ filtered solution in Sodium Acetate, NaCl and Glycerol.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, M ca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is <10 nM, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Serpina1c, His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 60 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

Serpina1c serine (or cysteine) peptidase inhibitor, clade A, member 1C [*Mus musculus* (house mouse)]

Official Symbol

Serpina1c

Synonyms

Pi3; Pi6; Wap3; Skalp; Spi1-3; Spi1-6; alpha-1-antitrypsin 1-3; alpha-1-antitrypsin 1-3; alpha-1 protease inhibitor 3; alpha-1 protease inhibitor 6; alpha-1-antitrypsin 1-6; alpha-1 protease inhibitor 3; pre-elafin; serine (or cysteine) proteinase inhibitor, clade A, member 1c; serine protease inhibitor 1-3; serine protease inhibitor 1-6; serine protease inhibitor A1c; serpin A1c; trappin-2

Gene ID

20702

mRNA Refseq

NM_009245.2

Protein Refseq

NP_033271.1

MIM
UniProt ID

Q00896

Chromosome Location

12 E; 12 52.98 cM

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