

## Recombinant Mouse Serping1 Protein, His-tagged

**Cat. No.** Serping1-398M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Serping1 Protein (Asp23-Gly504) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp23-Gly504
<b>Description</b>	Enables complement binding activity and serine-type endopeptidase inhibitor activity. Predicted to be involved in negative regulation of complement activation, lectin pathway and negative regulation of endopeptidase activity. Predicted to act upstream of or within several processes, including complement activation, classical pathway; fibrinolysis; and negative regulation of peptidase activity. Located in extracellular space. Is expressed in several structures, including genitourinary system; neural ectoderm; notochord; pancreas mesenchyme; and visceral pericardium. Human ortholog(s) of this gene implicated in several diseases, including COVID-19; angioedema (multiple); cerebral infarction; pancreatitis; and toxic shock syndrome. Orthologous to human SERPING1 (serpin family G member 1).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 56.9 kDa Accurate Molecular Mass: 63 kDa

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Serping1 serine (or cysteine) peptidase inhibitor, clade G, member 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Serping1
<b>Synonyms</b>	Serping1; serine (or cysteine) peptidase inhibitor, clade G, member 1; C1nh; C1INH; plasma protease C1 inhibitor; C1 Inh; C1 esterase inhibitor; C1 inhibitor; C1-inhibiting factor; complement component 1 inhibitor; serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1; serine (or cysteine) proteinase inhibitor, clade G, member 1; serpin G1
<b>Gene ID</b>	12258

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mRNA Refseq [NM\\_009776](#)

Protein Refseq [NP\\_033906](#)

UniProt ID [P97290](#)

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