

## Recombinant Mouse SerpinD1 protein(Met1-Ser478), His-tagged

**Cat. No.** Serpind1-2310M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse SerpinD1(NP_032249.3) (Met1-Ser 478) was expressed in HEK293, with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1- a.a.
<b>Form</b>	Lyophilized from sterile 25mM HEPES, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to inhibit thombin (Sigma, T4648) cleavage of fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is < 1.2 nM.
<b>Molecular Mass</b>	The recombinant mouse SerpinD1 consists of 466 amino acids and predicts a molecular mass of 53.5 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rmSerpinD1 is approximately 65-70 kDa as a result of glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 98 % as determined by SDS-PAGE

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**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.

**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

**Gene Name** [Serpind1 serine \(or cysteine\) peptidase inhibitor, clade D, member 1 \[ Mus musculus \]](#)

**Official Symbol** [Serpind1](#)

**Synonyms** SERPIND1; serine (or cysteine) peptidase inhibitor, clade D, member 1; heparin cofactor 2; HC-II; serpin D1; heparin cofactor II; protease inhibitor leuserpin-2; serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1; HCII; Hcf2; AA985900; AI303446; MGC107662;

**Gene ID** [15160](#)

**mRNA Refseq** [NM\\_008223](#)

**Protein Refseq** [NP\\_032249](#)

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