

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

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

SPECIFICATION

Product Overview	Recombinant Mouse SerpinD1(NP_032249.3) (Met1-Ser 478) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1- a.a.
Form	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.
Bio-activity	Measured by its ability to inhibit thombin (Sigma, T4648) cleavage of fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is < 1.2 nM.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 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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