

Active Recombinant Mouse Spint1 Protein, Fc-tagged

Cat. No. Spint1-866M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Spint1 (NP_058603.2) (Met1-Glu443) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-443 a.a.
Predicted N Terminal	Glu 30
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, M ca-Arg-Pro-Lys-Pro-Val-Glu-NVAL-Trp-Arg-Lys(DNP)-NH ₂ . The IC ₅₀ value is < 1.5 n M.
Molecular Mass	The recombinant mouse Spint1 consists 652 amino acids and predicts a molecular mass of 73.2 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Spint1 serine protease inhibitor, Kunitz type 1 [<i>Mus musculus</i>]
Official Symbol	Spint1
Synonyms	SPINT1; serine protease inhibitor, Kunitz type 1; kunitz-type protease inhibitor 1; hepatocyte growth factor activator inhibitor type 1; HAI-1;
Gene ID	20732
mRNA Refseq	NM_016907
Protein Refseq	NP_058603
MIM	
UniProt ID	
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;