

Active Recombinant Human SPINT1 protein, His-tagged

Cat. No. SPINT1-1123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SPINT1 protein(O43278-2) (Met 1-Val 433) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	36-433 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
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 is < 1 nM.
Molecular Mass	The protein has a predicted MW of 45.50 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [SPINT1 serine peptidase inhibitor, Kunitz type 1 \[Homo sapiens \]](#)

Official Symbol [SPINT1](#)

Synonyms SPINT1; serine peptidase inhibitor, Kunitz type 1; serine protease inhibitor, Kunitz type 1; kunitz-type protease inhibitor 1; HAI; MANSC2; HAI-1; hepatocyte growth factor activator inhibitor type 1; HAI1;

Gene ID [6692](#)

mRNA Refseq [NM_001032367](#)

Protein Refseq [NP_001027539](#)

MIM [605123](#)

UniProt ID [O43278](#)

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