

Active Recombinant Human SPINT1 Protein, His-tagged

Cat. No. SPINT1-540H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPINT1 (Accession # NP_003701) Pro37-Glu449, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Pro37-Glu449
Predicted N Terminal	Pro37
Form	Lyophilized from a 0.2 µm filtered solution in HEPES, NaCl and CaCl ₂ .
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ is <2 nM, as measured under the described conditions.
Molecular Mass	Recombinant Human SPINT1, His-tagged has a calculated MW of 47 kDa. In SDS-PAGE migrates as 58 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
Chromosome Location	15q13.3

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