

Active Recombinant Human SPINT2 Protein, His-tagged

Cat. No. SPINT2-965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPINT2 (Accession # O43291) Met1-Lys197, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Lys197
Predicted N Terminal	Ala28
Form	Lyophilized from a 0.2 µm filtered solution in Tris, 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 value is <4.6 nM, as measured under the described conditions.
Molecular Mass	Recombinant Human SPINT2, His-tagged has a calculated MW of 21 kDa. In SDS-PAGE migrates as 27 kDa and 32 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	SPINT2 serine peptidase inhibitor, Kunitz type, 2 [Homo sapiens]
Official Symbol	SPINT2
Synonyms	SPINT2; serine peptidase inhibitor, Kunitz type, 2; serine protease inhibitor, Kunitz type, 2; kunitz-type protease inhibitor 2; HAI 2; Kop; placental bikunin; hepatocyte growth factor activator inhibitor type 2; PB; HAI2; DIAR3; HAI-2; FLJ45571;
Gene ID	10653
mRNA Refseq	NM_001166103
Protein Refseq	NP_001159575
MIM	605124
UniProt ID	O43291
Chromosome Location	19q13.2

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