

## Active Recombinant Human SPINT2 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPINT2 (Accession # O43291) Met1-Lys197, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Met1-Lys197
<b>Predicted N Terminal</b>	Ala28
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in Tris, NaCl and CaCl <sub>2</sub> .
<b>Bio-activity</b>	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH <sub>2</sub> . The IC <sub>50</sub> value is <4.6 nM, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human SPINT2, His-tagged has a calculated MW of 21 kDa. In SDS-PAGE migrates as 27 kDa and 32 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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

<b>Gene Name</b>	SPINT2 serine peptidase inhibitor, Kunitz type, 2 [ Homo sapiens ]
<b>Official Symbol</b>	SPINT2
<b>Synonyms</b>	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;
<b>Gene ID</b>	10653
<b>mRNA Refseq</b>	NM_001166103
<b>Protein Refseq</b>	NP_001159575
<b>MIM</b>	605124
<b>UniProt ID</b>	O43291
<b>Chromosome Location</b>	19q13.2

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