

Active Recombinant Human SPINT2 Protein, Fc-tagged

Cat. No. SPINT2-209H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SPINT2 (NP_066925.1) (Met1-Lys197) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-197 a.a.
Predicted N Terminal	Ala 28
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 nM.
Molecular Mass	The recombinant human SPINT2 consists 408 amino acids and predicts a molecular mass of 45.9 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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	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