

Active Recombinant Human SPINT1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SPINT1 protein(O43278-2)(Met1-Val433), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Val433
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . IC ₅₀ value is < 2nM.
Molecular Mass	The recombinant human SPINT1 consists of 409 amino acids and predicts a molecular mass of 45.8 kDa. In SDS-PAGE under reducing conditions, rh SPINT1 migrates as an approximately 55 kDa band due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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