

# Recombinant Human serine peptidase inhibitor, Kunitz type, 2, His-tagged

Cat. No. SPINT2-384H    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	SPINT2, 28-197aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-197 a.a.
<b>Description</b>	<p>SPINT2 is a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This protein is a putative tumor suppressor, and mutations in this protein result in congenital sodium diarrhea.</p> <p>Recombinant human SPINT2 protein, fused to His-tag at N-terminus, was expressed in E.coli.</p>
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea 10% glycerol
<b>Molecular Mass</b>	21.8 kDa (195aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSHMADRER SIHDFCLVSK VVGRCRASMP  RWWYNVTDGS CQLFVYGGCD GNSNNYLTKE ECLKKCATVT ENATGDLATS  RNAADSSVPS APRRQDSEDH SSDMFNYEEY CTANAVTGPC RASFPRWYFD  VERNSCNNFI YGGCRGNKNS YRSEEACMLR CFRQQENPPL PLGSK</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	: >85% by SDS - PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<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
<b>Function</b>	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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