

Recombinant Human serine peptidase inhibitor, Kazal type 1, His-tagged

Cat. No. SPINK1-243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPINK1, 24-79aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	24-79 a.a.
Description	SPINK1 is a trypsin inhibitor, which is secreted from pancreatic acinar cells into pancreatic juice. It is thought to function in the prevention of trypsin-catalyzed premature activation of zymogens within the pancreas and the pancreatic duct. Mutations in this gene are associated with hereditary pancreatitis and tropical calcific pancreatitis. Recombinant human SPINK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	8.6 kDa (79aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDSLGREA KCYNELNGCT KIYDPVCGTD GNTYPNECVL CFENRKRQTS ILIQKSGPC

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Purity	>90% by SDS - PAGE
Storage	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.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SPINK1 serine peptidase inhibitor, Kazal type 1 [Homo sapiens]
Official Symbol	SPINK1
Synonyms	SPINK1; serine peptidase inhibitor, Kazal type 1; serine protease inhibitor, Kazal type 1; pancreatic secretory trypsin inhibitor; PCTT; PSTI; Spink3; TATI; tumor-associated trypsin inhibitor; serine protease inhibitor Kazal-type 1; TCP;
Gene ID	6690
mRNA Refseq	NM_003122
Protein Refseq	NP_003113
MIM	167790
UniProt ID	P00995
Chromosome Location	5q32
Function	endopeptidase inhibitor activity; protein binding; serine-type endopeptidase inhibitor activity;

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