

## Datasheet for ABIN6720302 **SPINK1 ELISA Kit**



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### Overview

Quantity:	1 kit
Target:	SPINK1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: ISK1_HUMAN, Pancreatic secretory trypsin inhibitor, Pancreatic serine protease inhibitor, Kazal, PCTT, PSTI, Serine protease inhibitor Kazal type 1, Serine protease inhibitor Kazal-type 1, Spink 3, SPINK1, Spink3, TaTI, TCP, Tumor associated trypsin inhibitor, Tumor-associated trypsin inhibitor</p> <p>Background: Serine protease inhibitor Kazal-type 1, also called TATI or PSTI, is a protein that in humans is encoded by the SPINK1 gene. It is mapped to 5q32. SPINK1 gene contains 4 exons spanning approximately 7.5 kb. It was initially detected in urine of patients with ovarian cancer. This peptide is also produced by the mucosa of the gastrointestinal tract where it may protect</p>

## Product Details

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the mucosal cells from proteolytic breakdown. The SPINK1 gene encodes pancreatic secretory trypsin inhibitor, which is secreted from pancreatic acinar cells into pancreatic juice. Its physiologic role was thought to be 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.

Gene Name: SPINK1

Production: Natural and recombinant human SPINK1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: D24-C79

## Target Details

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Target:	SPINK1
Alternative Name:	SPINK1 - TATI ( <a href="#">SPINK1 Products</a> )
Gene ID:	6690
NCBI Accession:	<a href="#">NP_003113</a>
UniProt:	<a href="#">P00995</a>

## Application Details

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Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human SPINK1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human SPINK1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10,000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

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Storage: RT, 4 °C, -20 °C

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.