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## Datasheet for ABIN7319027 **SPINK1 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	SPINK1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPINK1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human SPINK1 Protein (His Tag)
Sequence:	Asp24-Cys79
Characteristics:	Recombinant Human Serine Protease Inhibitor Kazal-Type 1 is produced by our Mammalian expression system and the target gene encoding Asp24-Cys79 is expressed with a 6His tag at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SPINK1
Alternative Name:	SPINK1 ( <a href="#">SPINK1 Products</a> )
Background:	Background: Serine Protease Inhibitor Kazal-Type 1 (SPINK1) is a trypsin inhibitor that prevent the trypsin-catalyzed premature activation of zymogens within the pancreas. Defects in SPINK1

## Target Details

are a cause of pancreatitis (PCTT). A disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks. Defects in SPINK1 are the cause of susceptibility to tropical calcific pancreatitis (TCP). Recombinant SPINK1 protein (rSPINK1) stimulated cell proliferation in benign RWPE as well as cancerous prostate cells. The research result indicated that the potential of SPINK1 as an extracellular therapeutic target in prostate cancer. In contrast, knockdown of SPINK1 in 22RV1 cells inhibited cell proliferation, cell invasion, and tumor growth in xenograft assays.

Synonym: Pancreatic Secretory Trypsin Inhibitor, Serine Protease Inhibitor Kazal-Type 1, Tumor-Associated Trypsin Inhibitor, TATI, SPINK1, PSTI

Molecular Weight:	7.3 kDa
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UniProt:	<a href="#">P00995</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, 2 mM CaCl <sub>2</sub> , 1 mM DTT, 0.05 % Brij35, 10 % Glycerol, pH 6.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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