

Datasheet for ABIN7520491
SPINK4 Protein (His tag)



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SPINK4
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPINK4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SPINK4 Protein
Sequence:	GSLVFPRMPF CEHMAELPNC PQTPNLICGT DGLTYENECH LCLTRMKTMK DIQIMKDGQC
Specificity:	Gly27-Cys86
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	SPINK4
Alternative Name:	SPINK4 (SPINK4 Products)
Background:	Description: Serine protease inhibitor Kazal-type 4, also known as Peptide PEC-6 homolog and SPINK4, is a secreted protein that contains one Kazal-like domain. SPINK4 is a member of the

Target Details

SPINK protein family. The gene family of serine protease inhibitors of the Kazal type (SPINK) are functional and positional candidate genes for celiac disease (CD). SPINK1 plays an important role in protecting the pancreas against excessive trypsinogen activation. It is a potent natural inhibitor of pancreatic trypsin activity. SPINK1 mutations are associated with the development of acute and chronic pancreatitis and have been detected in all forms of chronic pancreatitis. SPINK2 functions as a trypsin/acrosin inhibitor and is synthesized mainly in the testis and seminal vesicle where its activity is engaged infertility. The SPINK2 protein contains a typical Kazal domain composed by six cysteine residues forming three disulfide bridges. SPINK9 was identified in human skin. Its expression was strong in palmar epidermis, but not detectable or very low in non palmoplantar skin.

Name: SPINK4,MPGC60,SPINK4

Gene ID: 20731

UniProt: [O35679](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.