

## Product datasheet

# Recombinant Human SPINK1/P12 protein ab152041

### Description

<b>Product name</b>	Recombinant Human SPINK1/P12 protein
<b>Purity</b>	> 95 % SDS-PAGE. ab152041 was determined to be >95% pure by SEC-HPLC and reducing SDS-PAGE. Supplied as a 0.2 µM filtered solution.
<b>Endotoxin level</b>	< 0.100 Eu/µg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>P00995</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	DSLGREAKCYNELNGCTKMDPVC GTD GNTYPNECVLCFE NRKRQTSILI QKSGPCVDHH HHHH
<b>Predicted molecular weight</b>	7 kDa including tags
<b>Amino acids</b>	24 to 79
<b>Tags</b>	His tag C-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab152041** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as SPINK1

### Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 6.00
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Constituents: 0.392% MES, 0.05% Brij, 0.02% Calcium chloride, 0.02% DTT, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

## General Info

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<b>Function</b>	Serine protease inhibitor which exhibits anti-trypsin activity (PubMed:7142173). In the pancreas, protects against trypsin-catalyzed premature activation of zymogens. In the male reproductive tract, binds to sperm heads where it modulates sperm capacitance by inhibiting calcium uptake and nitrogen oxide (NO) production.
<b>Involvement in disease</b>	Pancreatitis, hereditary Tropical calcific pancreatitis
<b>Sequence similarities</b>	Contains 1 Kazal-like domain.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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