# **Product information**



# **SPINK1**, 24-79aa

## Human, His-tagged, Recombinant, E.coli

Cat. No. IBATGP2197

Full name: Serine peptidase inhibitor, Kazal type 1 NCBI Accession No.: NP\_003113

Synonyms: PCTT, PSTI, Spink3, TATI, TCP

**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.

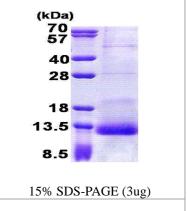
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,

20% glycerol, 1mM DTT

Molecular Weight: 8.6 kDa (79aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSDSLGREA KCYNELNGCT KIYDPVCGTD GNTYPNECVL CFENRKRQTS ILIQKSGPC

#### **General references:**

Witt H., et al. (2000) Nat. Genet. 25:213-216

Hassan Z., et al. (2002) Am. J. Hum. Genet. 71:964-968

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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