

Recombinant Human SPINK1 Protein

Cat. No. SPINK1-704H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPINK1(Asp24-Cys79) was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	24-79 a.a.
Description	The protein encoded by this gene 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.
Form	20mM MES, 150mM NaCl, 2mM CaCl ₂ , 1mM DTT, 0.05% Brij35, 10% Glycerol, pH 6.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	7.3 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	SPINK1 serine peptidase inhibitor, Kazal type 1 [Homo sapiens]
Official Symbol	SPINK1
Synonyms	SPINK1; serine peptidase inhibitor, Kazal type 1; serine protease inhibitor, Kazal type 1; pancreatic secretory trypsin inhibitor; PCTT; PSTI; Spink3; TATI; tumor-associated trypsin inhibitor; serine protease inhibitor Kazal-type 1; TCP;
Gene ID	6690
mRNA Refseq	NM_003122
Protein Refseq	NP_003113
MIM	167790
UniProt ID	P00995

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