

Recombinant Human SPINK1 Protein

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

SPECIFICATION

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| 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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA