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32-7493: Recombinant Human Serpin Kazal-1 (C-6His)

Gene : SPINK1
Gene ID : 6690
Uniprot ID : P00995

Description

Source: Human Cells.
MW :7.28kD.
Recombinant Human SPINK1 is produced by our Mammalian expression system and the target gene encoding Asp24-Cys79 is expressed with a 6His tag at the C-terminus. Serine Protease Inhibitor Kazal-Type 1 (SPINK1) is a trypsin inhibitor that prevent the trypsin-catalyzed premature activation of zymogens within the pancreas. Defects in SPINK1 are a cause of pancreatitis (PCTT). A disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks. Defects in SPINK1 are the cause of susceptibility to tropical calcific pancreatitis (TCP). Recombinant SPINK1 protein (rSPINK1) stimulated cell proliferation in benign RWPE as well as cancerous prostate cells. The research result indicated that the potential of SPINK1 as an extracellular therapeutic target in prostate cancer. In contrast, knockdown of SPINK1 in 22RV1 cells inhibited cell proliferation, cell invasion, and tumor growth in xenograft assays.

Product Info

Amount :	10 µg / 50 µg
Content :	Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 2mM CaCl2, 1mM DTT, 0.05% Brij35, 10% Glycerol, pH 6.0.
Storage condition :	Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :	DSLGREAKCYNELNGCTKIYDPVCGTDGNTYPNECVLCFENRKRQTSILIQKSGPCVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.