

## 32-2815: SPINK1 Recombinant Protein

**Alternative Name :** Serine Peptidase Inhibitor Kazal Type 1, Pancreatic Secretory Trypsin Inhibitor, Tumor-Associated Trypsin Inhibitor, PCTT, TATI, Spink3, Serine Protease Inhibitor Kazal Type 1, TCP, PSTI.

### Description

Source : Escherichia Coli. SPINK1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 79 amino acids (24-79) and having a molecular mass of 8.6kDa. SPINK1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Trypsin inhibitor SPINK1 is secreted from pancreatic acinar cells into pancreatic fluid. SPINK1 has a role in inhibition of trypsin-catalyzed premature initiation of zymogens in the pancreas and the pancreatic duct. Alterations in SPINK1 gene are the cause for tropical calcific and pancreatitis hereditary pancreatitis.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The SPINK1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSDSLGREA KCYNELNGCT KIYDPVCGTD GNTYPNECVL CFENRRKQTS ILIQSGPC.

