

SPINK4 Protein, Human (60a.a, HEK293, His)

Cat. No.:	HY-P71035
Synonyms:	Serine Protease Inhibitor Kazal-Type 4; Peptide PEC-60 Homolog; SPINK4
Species:	Human
Source:	HEK293
Accession:	O60575 (G27-C86)
Gene ID:	27290
Molecular Weight:	Approximately 10-13 kDa

PROPERTIES

AA Sequence	G K L P F S R M P I C E H M V E S P T C S Q M S N L V C G T D G L T Y T N E C Q L C L A R I K T K Q D I Q I M K D G K C
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 1 mM EDTA, 5% Trehalose, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The SPINK4 gene of human chromosome 9p13.3 encodes a precursor protein consisting of 86 amino acids. The precursor protein consists of 26 amino acids, which are characterized by a C-terminal cysteine, an N-terminal glutamate and a cell secretion mark. A total of 60 residues of, are believed to be involved in the defense against degradation of mucosal and epithelial tissue proteins^[1].</p> <p>One branch of the family of serine protease inhibitors is named Kazal type (SPINK) and originally consisted of four members in humans (SPINK1, SPINK2, SPINK4, and SPINK5). Although the major site of expression of all four SPINK members may differ, all are thought to be involved in protection against proteolytic degradation of epithelial and mucosal tissues^[2].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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