

## SPINK4 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76084
Synonyms:	Serine Protease Inhibitor Kazal-Type 4; Peptide PEC-60 Homolog; SPINK4
Species:	Mouse
Source:	HEK293
Accession:	O35679 (G27-C86)
Gene ID:	20731
Molecular Weight:	Approximately 35 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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	SPINK4 protein is expressed specifically in the intestinal tract, suggesting a potential role in gastrointestinal physiology. The localized expression in the intestinal tract implies involvement in processes related to the digestive system, where it may contribute to the regulation of protease activity or other functions crucial for intestinal homeostasis. The specificity of SPINK4 expression in this particular tissue underscores its likely significance in the context of intestinal function, emphasizing its potential as a key player in maintaining the balance of molecular processes within the gastrointestinal environment. Further exploration is warranted to fully comprehend the functional implications of SPINK4 in intestinal health and its potential contributions to digestive processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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