Recombinant ISK8 protein (His tag)

Catalog Number	551940
Species	Human
Expression System	E. coli
Accession	P0C7L1
Molecular Weight	Predictes a molecular mass of 10.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	22-97
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 22-97 aa (P0C7L1) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Serine Protease Inhibitor Kazal-type 8 (SPINK8) Fragment (aa 22-97). This 76-amino acid fragment is expertly engineered to encompass the complete Kazal-like functional domain, providing a precise tool for investigating the specific inhibitory mechanisms and biological roles of this key regulatory protein. The full-length Serine Protease Inhibitor Kazal-type 8 (SPINK8) is a probable serine protease inhibitor, playing a crucial role in the regulation of proteolytic activity. Protease inhibitors are essential for maintaining physiological balance, controlling processes such as inflammation, blood coagulation, and tissue remodeling. SPINK8 is a secreted protein, indicating its function in extracellular environments, where it likely modulates protease activity in the extracellular matrix or in bodily fluids. This targeted fragment allows researchers to isolate and study the function of its primary inhibitory domain without interference from other protein regions.