

Recombinant Human SPINK5 Protein, His-tagged

SPINK5-686H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant Human SPINK5(Gly699~Ser976) fused with His tag at N-terminal was expressed in E. coli.

Description This gene encodes a multidomain serine protease inhibitor that contains 15 potential inhibitory domains. The encoded preproprotein is proteolytically processed to generate multiple protein products, which may exhibit unique activities and specificities. These proteins may play a role in skin and hair morphogenesis, as well as anti-inflammatory and antimicrobial protection of mucous epithelia. Mutations in this gene may result in Netherton syndrome, a disorder characterized by ichthyosis, defective cornification, and atopy. This gene is present in a gene cluster on chromosome 5. Alternative splicing results in multiple transcript variants.

Source E. coli

Species Human

Tag His

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 35.7kDa

Protein length Gly699~Ser976

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >95%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

Gene Information

Gene Name [SPINK5 serine peptidase inhibitor, Kazal type 5 \[Homo sapiens \]](#)

Official Symbol [SPINK5](#)

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Synonyms

SPINK5; serine peptidase inhibitor, Kazal type 5; serine protease inhibitor, Kazal type 5; serine protease inhibitor Kazal-type 5; DKFZp686K19184; FLJ21544; FLJ97536; FLJ97596; FLJ99794; LEKTI; LETKI; lymphoepithelial Kazal type related inhibitor; NETS; NS; VAKTI; lymphoepithelial Kazal-type-related inhibitor; lympho-epithelial Kazal-type-related inhibitor;

Gene ID [11005](#)

mRNA Refseq [NM_001127698](#)

Protein Refseq [NP_001121170](#)

MIM [605010](#)

UniProt ID [Q9NQ38](#)

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