

Product datasheet for **SC323237**

SPINK5 (NM_001127699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPINK5 (NM_001127699) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINK5
Synonyms:	LEKTI; LETKI; NETS; NS; VAKTI
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001127699, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATAGCCACAGTGTCAAGTCTTCTGCCCTTGGCTCTTTGCCTCATACAAGATGCT
GCCAGTAAGAATGAAGATCAGGAAATGTCCATGAATTCAGGCATTTATGAAAAATGGA
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GAAGAGAAATCAAGTAGCAAGCCCTCAAATAATGCAAAGTTATTAT

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Restriction Sites: Please inquire
ACCN: NM_001127699

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001127699.1</u> , <u>NP_001121171.1</u>
RefSeq Size:	2915 bp
RefSeq ORF:	2751 bp
Locus ID:	11005
UniProt ID:	<u>Q9NQ38</u>
Cytogenetics:	5q32
Gene Summary:	<p>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. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (3, also known as SPINK5sh) differs in the 3' UTR and lacks several exons in the 3' coding region, compared to variant 1. The resulting protein (isoform c, also known as the LEKT1sh or short isoform) has a distinct C-terminus and is shorter than isoform a.</p>