

## Product datasheet for **SC333095**

### SPINK2 (NM\_001271722) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SPINK2 (NM\_001271722) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SPINK2  
**Synonyms:** HUSI-II; SPGF29  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333095 representing NM\_001271722.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCGCTGTCGGTGCTGCGCTTGGCGCTGCTGCTCCTGGCAGTTACCTTCGCAGGTAGCGCTCGGAGC
GGTCTGGCGAGCGGGACCTCCGGAGAAAAGCGGTTTGGGAGTCAGACCGGCGCGGACCTGCCCT
GCTCCGGGCGGCCTCGGCGACGGTACCCGCGCGCCGTTACTGGCGGTTCCCCAGAGGACCTGCCAGGG
AAGGTGGTCATAATATAAAATCATTGAAATGGACCCTGCTGATGGAGCAGTTTACAGAAAAGAAGAT
GGAGAGACCACCTTCACTGGCAGACTAGATAAATTGCATTTCCCTTTTTCTCTTTCTGTGTTTCTT
TACATGAGATTTGTTAACACACATTTTCTGAGAGCAGGTATGGAAGACAGCCATGTGTAG
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271722  
**Insert Size:** 405 bp  
**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).  
**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:** 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.



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RefSeq: [NM\\_001271722.1](#)

RefSeq Size: 632 bp

RefSeq ORF: 405 bp

Locus ID: 6691

UniProt ID: [P20155](#)

Cytogenetics: 4q12

Protein Families: Secreted Protein, Transmembrane

MW: 14.2 kDa

**Gene Summary:** This gene encodes a member of the family of serine protease inhibitors of the Kazal type (SPINK). The encoded protein acts as a trypsin and acrosin inhibitor in the genital tract and is localized in the spermatozoa. The protein has been associated with the progression of lymphomas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]  
Transcript Variant: This variant (6) lacks two exons in the coding region which results in a frameshift, compared to variant 1. It encodes isoform 6 which has a distinct C-terminus and is the same length as isoform 1.