

Product datasheet for **SC333094**

SPINK2 (NM_001271721) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPINK2 (NM_001271721) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINK2
Synonyms:	HUSI-II; SPGF29
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC333094 representing NM_001271721. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGCTGTCGGTGCTGCGCTTGGCGCTGCTGCTCCTGGCAGTTACCTTCGCAGGTAGCGCTCGGAGC
GGTCCTGGCGAGCGGGACCTCCGGAGAAAAGCGGTTTGGGAGTCAGACCGGCGCGGACCCTGCCCT
GCTCCGGGCGGCCTCGGCGACGAACGCCAAACTGCTCTCAGTATAGATTACCAGGATGTCCAGACACT
TTAACCTGTGTGGCAGTGACATGTCCACTTATGCCAATGAATGTACTCTGTGCATGA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001271721
Insert Size:	267 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:	<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:	NM_001271721.1



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RefSeq Size:	701 bp
RefSeq ORF:	267 bp
Locus ID:	6691
UniProt ID:	P20155
Cytogenetics:	4q12
Protein Families:	Secreted Protein, Transmembrane
MW:	8.9 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 (5) uses two alternate splice sites in the 5' coding region which results in a frameshift and an early stop codon, compared to variant 1. It encodes isoform 5 which has a distinct C-terminus and is shorter than isoform 1.