

Product datasheet for **SC112968**

SPINK2 (NM_021114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPINK2 (NM_021114) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINK2
Synonyms:	HUSI-II; SPGF29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112968 sequence for NM_021114 edited (data generated by NextGen Sequencing) ATGGCGCTGTCGGTGCTGCGCTTGGCGCTGCTGCTCCTGGCAGTTACCTTCGCAGCCTCT CTGATCCCTCAATTTGGTCTGTTTTCAAAATATAGAACGCCAAACTGCTCTCAGTATAGA TTACCAGGATGTCCCAGACACTTTAACCCGTGTGTGGCAGTGACATGTCCAATTATGCC AATGAATGTACTCTGTGCATGAAAATCAGGGAAGGTGGTCATAATATAAATCATTCTGA AATGGACCCTGCTGA Clone variation with respect to NM_021114.2 45 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021114 unedited NGGTTTCGNAATTTGTATACGACTCATATAGGCGGCCGCATAAATTCGTATAGCATACATT ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGCACGA GCGCTCCCTGCGAGTGGCGCAGGTAACAGACCCGAGGGGCAAGACAGCCGGCGCGGGAGG AGGATGGCGCTGTCGGTGTGCGCTTGGCGCTGCTGCTCCTGGCAGTTACCTTCGCAGCC TCTCTGATCCCTCAATTTGGTCTGTTTTCAAAATATAGAACGCCAAACTGCTCTCAGTAT AGATTACCAGGATGTCCAGACACTTTAACCCCTGTGTGGCAGTGACATGTCCACTTAT GCCAATGAATGTACTCTGTGCATGAAAATCAGGGAAGGTGGTCATAATATTTAAATCATT CGAAATGGACCCTGCTGATGGAGCAGTTTACAGAAAAGAAGATGGAGAGACCACCTTCAC TGGCAGACTAGATAAATTGCATTTCCCCTTTTTCTTTTTCTGTGTTTTCTTTACATGAG ATTTGTTAACACACATTTTCTGAGAGCAGGTATGGAAGACAGCCATGTGTAGTGTGGAT AATTTAAAGAAAAAAGAATCCTTGTCTTGGCTTTTGTCTCCTGGAGTTAAGCTTACTG CCCAGGTGACTTGTGCATTGCTTTATTTAGTTGAAATAAAATCAGCATTGAATTCAGAA ACAAAAACGCAGNAAAAGAAAAAATCTCCAGCGCTGGATCCGCCATAAGGGCCTGAT CCTTTGAGGGGGGGCCCGGTACCGATATCAAGCTTGTGACTCTAGATTGCGGCCCGC GCATAGCTGTTCCCTGACAGATCCCCGGTGGCATCCNTGTGACCCCTNCCCAGTGCT CTCCTGGCCCTGGAAGTTGCCACTNCAAGTGCCACCAGCCTTGTCTN
Restriction Sites:	Please inquire
ACCN:	NM_021114
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_021114.1 , NP_066937.1
RefSeq Size:	594 bp
RefSeq ORF:	255 bp
Locus ID:	6691
UniProt ID:	P20155
Cytogenetics:	4q12
Protein Families:	Secreted Protein, Transmembrane

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 (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.