

Product datasheet for RC233291

SPINK2 (NM_001271722) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPINK2 (NM_001271722) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SPINK2
Synonyms: HUSI-II; SPGF29
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233291 representing NM_001271722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTGTCGGTGCTGCGCTTGGCGCTGCTGCTCCTGGCAGTTACCTTCGCAGGTAGCGCTCGGAGCG
 GTCCTGGCGAGCGGGGACCTCCGGAGAAAAGCGGGTTTGGGAGTCAGACCGCGCGGACCTGCCCTGC
 TCCGGCGGCCTCGGCGACGGTACCCGCGCCCGTTACTGGCGGTTCCCGAGGACCTGCCAGGGAAG
 GTGGTCATAATATTAATCATTGAAATGGACCCTGCTGATGGAGCAGTTTACAGAAAAGAAGATGGAG
 AGACCACCTTCACTGGCAGACTAGATAAATTGCATTTCCCTTTTCTCTTTTCTGTGTTCTTTACAT
 GAGATTTGTTAACACACATTTTCTGAGAGCAGGTATGGAAGACAGCCATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233291 representing NM_001271722
 Red=Cloning site Green=Tags(s)
 MALSVLRLALLLLAVTFAGSARSGPGERPPEKSGFGSQTGGGPCPAPGGLGDGTRAPVTGGSPEDLP GK
 VVILKSFEMDPADGAVYRKEDGETTFTGRLDKLHFPFFSFPVFLYMRFNTHFLRAGMEDSHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001271722

ORF Size: 402 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_001271722.1](#), [NP_001258651.1](#)

RefSeq Size: 632 bp

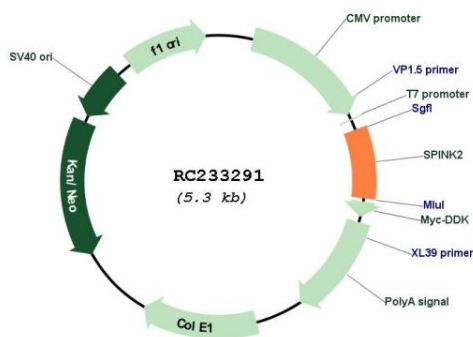
RefSeq ORF: 405 bp

Locus ID: 6691

UniProt ID: [P20155](#)
Cytogenetics: 4q12
Protein Families: Secreted Protein, Transmembrane
MW: 14.6 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]

Product images:



Circular map for RC233291