

Product datasheet for **MR230323**

Spam1 (NM_001079875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spam1 (NM_001079875) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spam1
Synonyms:	AV039194; Ph-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR230323 representing NM_001079875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGAGTTGAGATTTAAGCACCTCTTTTGGGGGAGCTTTGTTGAATCTGGGGGCACATTCCAACACAG
 TGTTAATCTTCTTTTGGATTCCATGCTCCTTACTGTGGATTATAGGGCAGCACCAATTTTATCAAATAC
 AACTTTCTTTGGATTTGGAATGTCCAACTGAACGTTGTGTAGGAAATGTTAATGATCCAATAGATCTG
 AGCTTCTTCTTTAATTGGAAGCCCCGAAAACCTGCCACAGGGCAACCTGTCACATTATTTTATGTTG
 ATCGACTTGGTTGTATCCTCACATAGATGCAAACCAAGCAGAACATTATGGAGGAATACCTCAGAGGGG
 CGATTATCAAGCTCATTGCGCAAAGCTAAGACTGACATAGAGCATTACATTCCAGACGACAAATGGGC
 TTAGCTATCATTGACTGGGAAGAATGGAGGCCTACCTGGTTGAGAACTGGAAACCTAAGGATAACTACA
 GGAATAAGTCTATTGAATTGGTCCAATCAACTAATCCAGGACTTAGTATCACAGAAGCCACCCAGAAAGC
 CATAACAATTTGAAGAGGCAGGAAGGAAGTTTATGGAAGGAACCTTACACCTGGGAAATTCCTTCGA
 CCAAACAGCTATGGGGTTATTATCTATTTCTGATTGTTATAACAATAAGTTTCAAGACCTAAGTATG
 ATGGGCAGTGCCTGCTGTGAAAAGAAAAGAAATGATAATCTTAAATGGCTATGGAAAGCAAGCACCGG
 CCTTACCCTACTGTCTATTTGAAGAAAGACTTGAAGTCCAATCGACAAGCTACCCTCTATGTCCGCTAC
 CGAGTTGTGGAAGCTATCAGAGTGTCCAAGTTGGGAATGCATCGGATCCAGTCCCGATTTTTGTCTATA
 TCCGCTCTGTTTTACTGATCGTACCTCTGAATACCTTCTAGAGGATGACCTTGTGAATACAATTTGGTGA
 AATTGTTGCTCTGGGTACCTCTGGAATTATAATATGGGATGCTATGAGTTTAGCACAACGTGCGGCAGGT
 TGCCCAATCCTACATAAATACATGCAGACGACCCTGAATCCATACATAGTCAATGTTACCCTAGCAGCCA
 AAATGTGCAGCCAAACACTTTGTAATGAGAAAGGCATGTGTTCAAGAAGAAAAGAAAGTTCCAGATGATA
 TCTTCACTTGAACCCAAGTCATTTTATATTATGTTAACGAAACTGGAAAGTACGAAGTCTTGGCAAC
 CCCAGGTTGGAGACTTAGAATACTTTTCTGAACATTTTAAATGCAGCTGTTTTAGCAGAATGACATGTA
 AGGAGACATCTGATGTAAAAATGTACAAGACGTGAATGTGTGCGTGGTACAATGTTTGTATAAAAGC
 CAAGGTAGAACCAACCCAGCCTTCTACCTCCTACCTGGCAAAGCCTTCTATTTATGACAACACTTGGT
 CATGTGCTGTACCATCTGCCACAAGATATTTTTGTTTTCCAGGAAGACACTAGTCAGTACTCT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR230323 representing NM_001079875
 Red=Cloning site Green=Tags(s)

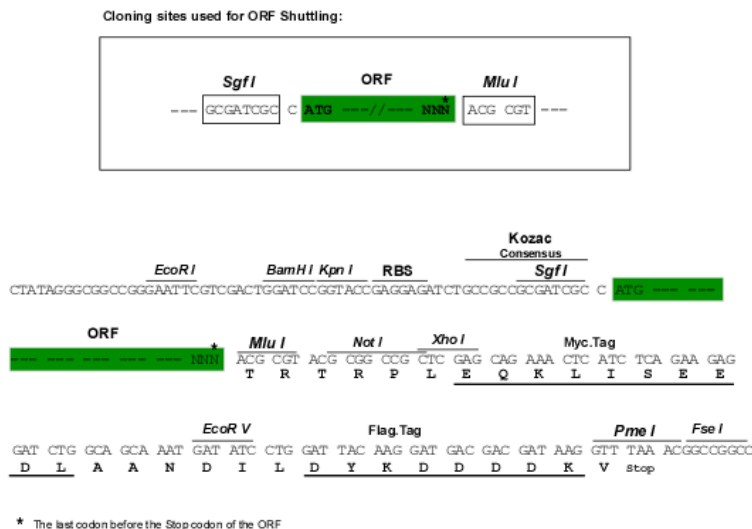
MGELRFKHLFWGSFVESGGTFQTVLIFLLIPCSLTVDYRAAPILSNTTFLWIWNVPTERCVGNVNDPIDL
 SFFSLIGSPRKATGQPVTLFYVDRLGLYPHIDANQAEHYGGIPQRGDYQAHLRKAKTDIEHYIPDDKLG
 LAIIDWEWRPTWLRNWKPKDNYRNKSIELVQSTNPGLSITEATQKAIQQFEEAGRKFMEGTLHLGKFLR
 PNQLWGYLFPDCYNNKFQDPKYDQCFAVEKKRNDNLKWLKASTGLYPSVYLLKDLKSNRQATLYVRY
 RVVEAIRVSKVGNASDPVPIFVYIRLVFTDRTSEYLLLEDDLVTIGEIVALGTSGIIWDAMSLAQRAG
 CPILHKYMQTTLNPYIVNVTLAAKMCSQTLCNEKGMCSRREKSSDVYLLHNP SHFDIMLTETGKYEVLGN
 PRVGDLEYFSEHFKCSCFSRMTCKETSVDKVNQDVNVCVGDNVCIKAKVEPNPAFYLLPGKSLLFMTTLG
 HVLYHLPQDIFVFPKTLVSTP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001079875

ORF Size: 1536 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_001079875.2](#), [NP_001073344.1](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1539 bp

Locus ID: 20690

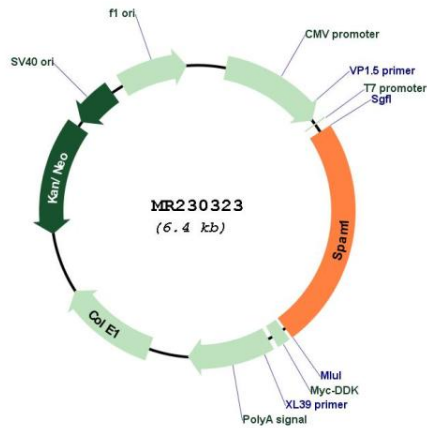
UniProt ID: [P48794](#)

Cytogenetics: 6 11.28 cM

MW: 58.5 kDa

Gene Summary: Involved in sperm-egg adhesion. Upon fertilization sperm must first penetrate a layer of cumulus cells that surrounds the egg before reaching the zona pellucida. The cumulus cells are embedded in a matrix containing hyaluronic acid which is formed prior to ovulation. This protein aids in penetrating the layer of cumulus cells by digesting hyaluronic acid. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230323