

Product datasheet for **RR211737**

Spam1 (NM_053967) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spam1 (NM_053967) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spam1
Synonyms:	Spam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR211737 representing NM_053967
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGAGTTGCAATTTAAGTGGCTCTTTTGGAGGAGCTTTGCTGAGTCTGGGGGCACATTCCAACAG
 TGTTAATCTTTCTTTTCATTCCATATTCCTTGACTGTGGATTATAGGGCAACACCAGTTCCTGTCAGATAC
 AACTTTCTGTTGGGTCTGGAATGTTCCAACGAAGCTTGTGTAGAAAACGTTACTGAACCAATAGATCTG
 AGCTTCTCTCTTTAATTGGAAGCCCCGAAAACGCCATAGGGCAGCCTGTCACATTATTTTATGTTG
 ATCGACTTGGTAACTATCCTCACATAGATGCACAGCAAACAGAACATCATGGAGGAATACCTCAGAAGGG
 GGATTTGACAACCTATTTGGTAAAAGCTAAGGAAGACGTAGAGCGTTACATACCAACAGACAAAACGGGT
 TTAGCTATCATTGACTGGGAAGAATGGAGGCCTACCTGGATGAGAACTGGACACCTAAGGATATTTACA
 GGAATAAGTCTATTGAATTGGTCCAGGCAGCTGATCCAGCAATTAATATCACAGAAGCTACTGTGAGAGC
 CAAAGCACAATTTGAAGGGCAGCTAAAGAGTTTATGGAAGGGACTTTAAAATTGGGGAAACATATTCGA
 CCAAAGCACTTATGGGGTTTTTATCTATTTCTGATTGTTATAACAATAAATTTCAAGTCGATAACTATG
 ATGGCCAATGCCCTGATGTGAAAAGAAAACGAAACGATGATCTTGACTGGCTATGGAAAAGAAAGCACGGG
 CCTTTACCCATCTGTCTATTTGAAGAAAGATTTGAAGTCGAGTCGAAAAGCAACCCTTTATGTCCGCTAC
 CGAGTTTTAGAATCTATCAGAGTGTCCAAAGTTTCAGATGAATCGAATCCAGTTCCAATTTTTGTCTATA
 TCCGCTCTGTTTTCACTGATCATGTCTCTGAATACCTTCTAGAGGATGATCTTGTGAATACAATTTGGTGA
 AATTGTTGCTCAGGTAACCTCTGGAATTATAATATGGGATGCTATGTCTTTAGCACAACTTCGGCAGGT
 TGCCCAATCCTACGTCAATACATGAAGACAACCCTGAATCCATACATAGTCAATGTCACCCTAGCAGCCA
 AAATGTGCAGTCAAACACTTTGTAAAGGAAAAGGCATGTGTTTCGAGAAAAACAGAAAGTTTCAGATGCATA
 TCTTCACTTGGATCCAAGTAGTTTTTCTATTAATGTAACAGAAGCTGGAAAAGTATGAAGTTCTTGGCAAG
 CCCGAGGTTAAAGACTTGAATACTTTTTCTGAACATTTTAAATGCAGCTGTTTTAGCAAAATGACATGTG
 AGGAGACATCTGATATGCGAAGTATACAAGATGTGAATGTGTGCATGGGTGACAAATGTTGTATAAAAGC
 CACGCTAGGACCAACTCAGCATTCCACCTCCTACCTGGCAAAGGCCTCCTCCTTATGACAACTTGCT
 CACATCTGCACCATCTACCACATGATATTTTTGTTTTCCGTGGAAGATGCTAGTCACTACTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211737 representing NM_053967
 Red=Cloning site Green=Tags(s)

MGELQFKWLFWRSAESGGTFQTVLIFLFIPLYSLTVDYRATPVLSDTTFVWVWNPTEACVENVTEPIDL
 SFFSLIGSPRKTAIGQPVTLYVDRLGNYPHIDAQQTEHHGGIPQKGDLTTHLVKAKEDVERYIPTDKLG
 LAIIDWEWRPTWMRNWPDKDIYRNKSIELVQAADPAINITEATVRAKAQFEGAAKEFMEGTLKLGKHIR
 PKHLWGFYLPDCYNNKFQVDNYDGQCPDVEKKRNDLDLWKESTGLYPSVYLKDKLSSRKATLYVRY
 RVLESIRVSKVSDSNPVPFVYIRLVFDHVSEYLLLEDDLNTIGEIVAQGTSGIIWDAMSLAQRSAG
 CPILRQYMKTTLNPYIVNVTLAAKMCSQTLCKEKGMSRKTESSDAYLHLDPSFSINVTAEAGKYEVLGK
 PEVKDLEYFSEHFKCSCFSKMTCEETSDMRSIQDVNVCMGDNVCIKATLGPNSAFHLLPGKGLLLMTTLA
 HILHHLPHDIFVFPWKMLVSTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_053967

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_053967.2](#), [NP_446419.1](#)

RefSeq Size: 2112 bp

RefSeq ORF: 1539 bp

Locus ID: 117037

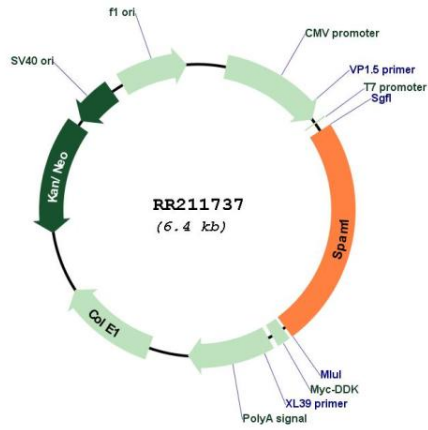
UniProt ID: [Q62803](#)

Cytogenetics: 4q22

MW: 58.4 kDa

Gene Summary: a glycoprotein responsible for sperm adhesion to the zona pellucida [RGD, Feb 2006]

Product images:



Circular map for RR211737