

Product datasheet for **MC217290**

Spam1 (NM_009241) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spam1 (NM_009241) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spam1
Synonyms:	AV039194; Ph-20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217290 representing NM_009241
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGAGTTGAGATTTAAGCACCTCTTTTGGGGGAGCTTTGTTGAATCTGGGGGCACATTCCAACACAG
 TGTTAATCTTCCTTTTGATTCCATGCTCCTTGACTGTGGATTATAGGGCAGCACCAATTTTATCAAATAC
 AACTTTCCTTTGGATTTGGAATGTCCAACTGAACGTTGTGTAGGAAATGTTAATGATCCAATAGATCTG
 AGCTTCTCTCTTTAATTGGAAGCCCCGGAAAACGCCACAGGGCAACCTGTCACATTATTTTATGTTG
 ATCGACTTGGTTGTATCCTCACATAGATGCAAACCAAGCAGAACATTATGGAGGAATACCTCAGAGGGG
 CGATTATCAAGCTCATTGCGCAAAGCTAAGACTGACATAGAGCATTACATTCCAGACGACAAAATGGGC
 TTAGCTATCATTGACTGGGAAGAATGGAGGCCTACCTGGTTGAGAAAACCTGAAACCTAAGGATAACTACA
 GGAATAAGTCTATTGAATTGGTCCAATCAACTAATCCAGGACTTAGTATCACAGAAGCCACCCAGAAAGC
 CATAACAATTTGAAGAGGCAGGAAGGAAGTTTATGGAAGGAACCTTACACCTGGGGAAATTCCTTCGA
 CCAAACAGCTATGGGGTTATTATCTATTTCTGATTGTTATAACAATAAGTTTCAAGACCTAAGTATG
 ATGGGCAGTGCCTGCTGTGAAAAGAAAAGAAATGATAATCTTAAATGGCTATGGAAAAGCAAGCACCGG
 CCTTACCCTACTGTCTATTTGAAGAAAGACTTGAAGTCCAATCGACAAGCTACCCTCTATGTCCGCTAC
 CGAGTTGTGGAAGCTATCAGAGTGTCCAAGTTGGGAATGCATCGGATCCAGTCCCGATTTTGTCTATA
 TCCGTCTGTTTTACTGATCGTACCTCTGAATACCTTCTAGAGGATGACCTTGTGAATACAATTGGTGA
 AATTGTTGCTCTGGGTACCTCTGGAATTATAATATGGGATGCTATGAGTTTAGCACAACGTGCGGACGGT
 TGCCCAATCCTACATAAATACATGCAGACGACCCTGAATCCATACATAGTCAATGTTACCCTAGCAGCCA
 AAATGTGCAGCCAAACACTTTGTAATGAGAAAAGCATGTGTTCAAGAAGAAAAGAAAGTTCAGATGTATA
 TCTTCACTTGAACCCAAGTCATTTTATGATTATGTTAACGAAAACCTGAAAAGTACGAAAGTTCTTGGCAAC
 CCCAGGTTGGAGACTTAGAATACTTTTCTGAACATTTTAAATGCAGCTGTTTTAGCAGAATGACATGTA
 AGGAGACATCTGATGTAAAAATGTACAAGACGTGAATGTGTGCGTGGTACAAATGTTGTATAAAAAGC
 CAAGGTAGAACCAACCCAGCCTTCTACCTCCTACCTGGCAAAGCCTTCTATTTATGACAACACTTGGT
 CATGTGCTGTACCATCTGCCACAAGATATTTTTGTTTTCCACGGAAGACACTAGTCAGTACTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009241

Insert Size: 1539 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:

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_009241.3](#), [NP_033267.2](#)

RefSeq Size: 2107 bp

RefSeq ORF: 1539 bp

Locus ID: 20690

UniProt ID: [P48794](#)

Cytogenetics: 6 11.28 cM

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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.