

## Product datasheet for MR219897

### Spaca3 (NM\_029367) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spaca3 (NM\_029367) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Spaca3  
**Synonyms:** 1700025M08Rik; ALLP17; Lyc3; mSLLP1; SLLP1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219897 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAAGCTAGGAGCCGGGCTCCAGAAGACAGCTGTGCCCGCTGGGATCACTTGGCTGGCCCTGGCCT  
 ATCTGCTCAGCTGCCTGCTTGCCTCCAGCAAGGCCAAGGTCTTCAGTCGCTGTGAGCTGGCCAAAGAGAT  
 GCATGACTTCGGTCTGGATGGCTACCGGGTTATAACCTGGCTGACTGGGTCTGCCTTGCTTACTACACA  
 AGTGGCTTCAACACAAATGCTGTGGATCATGAAGCTGATGGAAGCACCAACAATGGCATCTTCCAGATCA  
 GCAGCCGGAGGTGGTGCAGAACCTCGCTCGAATGGCCCAATCTTTGCAGGATATACTGCACTGATTT  
 GTTGAACAATGATCTCAAAGATTCTATCGTCTGTGCCATGAAGATAGTTCAAGAACCCTGGGTCTGGGC  
 TATTGGGAAGCCTGGAGGCACCACTGCCAGGGCAGGGACCTCAGTGACTGGGTGGATGGCTGTGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219897 protein sequence  
 Red=Cloning site Green=Tags(s)

MEARSRAPRRQLCPPGITWLALAYLLSCLLASSKAKVFSRCELAKEMHDFGLDGYRGYNLADWVCLAYYT  
 SGFNTNAVVDHEADGSTNNGIFQISSRRWCRTLASNGPNLCRIYCTDLLNNDLKDSIVCAMKIVQEPLGLG  
 YWEAWRHHCQGRDLSWVDGPDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI


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**Cloning Scheme:**


**ACCN:** NM\_029367

**ORF Size:** 489 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_029367.1](#), [NP\\_083643.1](#)

**RefSeq Size:** 941 bp

**RefSeq ORF:** 492 bp

**Locus ID:** 75622

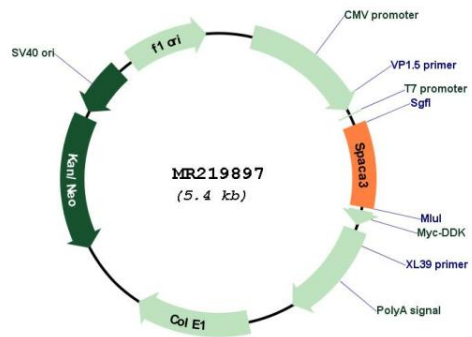
UniProt ID: Q9D9X8

Cytogenetics: 11 B5

MW: 18.4 kDa

**Gene Summary:** Sperm surface membrane protein that may be involved in sperm-egg plasma membrane adhesion and fusion during fertilization. It could be a potential receptor for the egg oligosaccharide residue N-acetylglucosamine, which is present in the extracellular matrix over the egg plasma membrane. The processed form has no detectable bacteriolytic activity in vitro (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR219897