

Product datasheet for MC226825

Spaca1 (NM_001290443) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spaca1 (NM_001290443) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spaca1
Synonyms:	1700124L11Rik; 4930540L03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226825 representing NM_001290443 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCGCGCCAGGGGCGCAGGCTGCCCCGCTGGGCTGCTGGCCGTCGGATGGCTGATCCTGGTGGGCCTGC
AGGCCTCGCAGGCATCGAATGTACCTCCAGCGCGGAGGCGTCCAGGAACCCGCTGTGGCCGCGAGGG
CGAGAGCGAGAGCGAGAGCGAGAGTGAGGAGGAGGCTGAGAACGAAGGCGAAGTGCCCGAGTCCGAAACC
ACAGCCGAGGCCGATGCCGAGGAAGAGGTTCAGAACAGAACAATAGTCAAAGAAGTAGAATTCGGAATGT
GCACAGTCACGTGTGGTGTGGTATCAGAGAAGTAATTTTAACCAATGGATGCCCTGGAGGTGAATCCAA
GTGTGTTGTTTCGTGTGGAAGAATGCCGTGGACCTGTTGATTGTGGCTGGGGTAAACCAATTTCTGAAAAAT
CTTGATAGTGCTAGACTATCATGTGTTTCATATATCTCCTGAAAAATCGTTTCAAATATGTATGGAAGCTTC
TAAAGCCAGACCAACAACCTGTTATACTGACAAATGACTCAGCAGTCTTGGAAATAACGAGAGAAATTCG
TCCTCTGGCTTTTGAATGTGACACCTTGGATAATAATGAAATGGTGGCATCTGTTAAATTCACCGTCTAT
ACAACAAATGAACTGCAGATGAGAAGATCCAGCAGACCAGACACTGATGCAGTCTTAGTTTTCTGTGCTGA
CCATAGGAGTCATTATCTGCATATTTGTGATCTTCGATTGATTTTCATCATCATAAATTGGCGGCAGT
GAAATCCTTCTGGGGTCAAAAACCTCAGCAACTGAGATACAGTCCGAGCTGAGCTCTATGAGGTGCGAA
CAAGACAAGGATATTGAGAGTTGCTCAGAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001290443
Insert Size:	873 bp


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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290443.1</u> , <u>NP_001277372.1</u>
RefSeq Size:	1177 bp
RefSeq ORF:	873 bp
Locus ID:	67652
Cytogenetics:	4 A5
Gene Summary:	Plays a role in acrosome expansion and establishment of normal sperm morphology during spermatogenesis. Important for male fertility.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.