

Product datasheet for MR224526

Spaca6 (NM_001162909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spaca6 (NM_001162909) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spaca6
Synonyms:	4930546H06Rik; 9530079D04Rik; B230206P06Rik; let-7e; mir-99b; mir-125a; Ncrna00085
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>MR224526 representing NM_001162909</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p>

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCTCACAAGGTCCTACTATCTTCTCCTCAGACCCGGAGACCCTCTGTTATGGGTCTTATTTCTTAG
 TAGGGAGCATTGCTCTGTTGTTCTGCTGATCTTCAGGGCATCCACGTGGGCCTGTCTCTCTGCTTCAC
 TACCTATGAGGAACGCCTCCGTGTCTGCCAGCTGTTTGTGGGCAGAGAGGAAACCAAGATAAACCTGTGC
 AGAAATGAGCTTGAAGGGGCTTTTGAAGATCTCAAAGACATGAAATCAACTATGATGAGAGGAGCTACC
 TGCATGATGAATTTACACAGATGACAGTTTCTCTTCAGGAGAAGGCTGCTAGACGACGGGAGCCCTTTTG
 GCTTGCCTTCAAAGATGCTGCTGCAAAATTGAAGAGGACCATTTGAACACCTTAAAAAAGCCCGGCTGC
 ATCCCTCCTTGTGGTCTCCAGGAGGTGGCTAGGCTTTTCCACTGCTCGGGCTGCTTTTCTAAACTCTGCG
 ATCTGCCTCTCGATTGTCCAGTTCAGGACATGCTGGTGAACCGAGGGGACCAGGCTTTGTTTTCTTGAT
 CGTGGCTTTTCGAGTTGCCAGAGTCGGAGATCACTATTCTGGAATTTGTGGGAGGTGTCCGAACCTAAG
 GACGTTACGTACTTCCGTGATATGCCGGGGGCTCACGGGTACCTGGCAGCAATACGGCCAGTGCAACCCA
 AACACGGTGGGACCTTTTCTGCGTGATCCTGCACGACGACGCCCTGGCGCGGCTCTACTTTTATCT
 GAACGTGACGGGCCCTCCTCCGCTGAGGACACTGAGCTCCAGGTACGTTCCGGGAAGTGATGAATCGG
 ACGCCGGCGGAGCCGAAATGATCCAGCCCTGGAGCCCCAGCCTAGGCGAACTACTTACCAACCCCCAGG
 CTCTGACGCTTGCAACCTATTCTGCTCGCGGCCACCGCTGCACTTGGGTCTGCCAGTGTTACTCTGCT
 AGTGTGGCTGTTTTTTCGATGGTACTTAAGTGGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR224526 representing NM_001162909
 Red=Cloning site Green=Tags(s)

MTSQRSLSSPQTRRPSVMGLISLVGSIVLLFLLIFRASTWACLFCTTYEERLRVCQLFVGREETKINLC
 RNELEGAFEDLKDMKINYDERSYLHDEFTQMTVSLQEKAARRREPFWLAFKDAAKLKRTIEHLKKAPAC
 IPPCGLQEVARLFHCSGCF SKLCDLPDCPVQDMLVNRGDQALFSCIVAFELPESEITYSWKFVGGVRTK
 DVTYFRDMPGAHGYLARIRPVQPKHGGTFSCVILHDQRPLARLYFYLNVTGPPPPEDTELQVTFREVMNR
 TPAEPEMIQPWSPSLGELLTNPQALTGNLFLLAATAALGSASVTLLVWLFFRWYLSGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162909

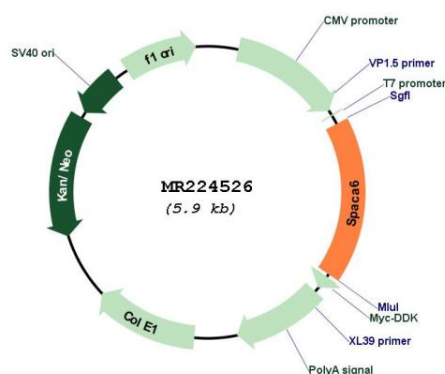
ORF Size: 1017 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001162909.1</u> , <u>NP_001156381.1</u>
RefSeq Size:	1102 bp
RefSeq ORF:	1020 bp
Locus ID:	75202
UniProt ID:	<u>E9Q8Q8</u>
Cytogenetics:	17 A3.2
MW:	38.5 kDa
Gene Summary:	Sperm protein potentially involved sperm-egg fusion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224526