

Product datasheet for MR226348

Spem1 (NM_028855) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spem1 (NM_028855) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spem1
Synonyms:	1700095G12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226348 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCATGGCTGAGCGGCCTCGGCCTGGGTGGGCCTCGTATCAAACCCCAACATCAACAACCTGCCAGG
 ACATGGGAACTCCATTCTGCTGCTCTTGGGTCTTATCGTCTGTATTAACTTGGCATCAATTTGGTGAC
 CCTGCTCTGGAGCCGAATCCGCATCCTTTACACCGAATGTTCCATATCATTTGTAAAAAGAAACCACT
 ACTTCACTTGGGAAGCTGGTCCAGCCCTTGAGGAAGCAGACCTACCCCAAAGTCCATCTTCGATGTACCA
 TGGACCTGTGAAGATGACTGTGACCCCCCACCCTCGTCGTCGTTACCGCCATCGAGCGCCTCCATC
 TCGCCGTGCCCGCTGCCCATAGCTTGGGCCCTGATACTGATGATGAGAAACCTCCACATCAGCACCT
 GCAATCTGTTCCCGCCACTGGAATGACTCTAAGGATTGGGAAGGCTTTCAATCTATGCAGGAGGTGTGGG
 AACCTTGGACTCAGGATGGTCTAGAGCAACCTCCCCAGACCATCCGCTTCCAGCCAGCAGTAGAGGCCAG
 GCCTCTCAAATCGGAAATCCGGTCAGACCAGGGCCTAGAGGCCTATGTGTATACTGTAAATCCTCCACCT
 CCCAGTCTAGAGGCTTTGAGCCATAAAACAATGCGGCAGGGTCAGGGGGATGTGTTGAGGGTGAGCAAG
 CACAGGGCCAGCCTGTCTACCATCCTTTCTGGGTCCAGCAATGTCCCTGAAATACCCCGCGCCATTC
 ATCAGGCCGAATAGTCTATGATGCCGAGATGTGAGGAGAAGTTACGAGAACTACCCAGGAGGTGGAG
 GCTCTGTCCCACTGTTACCCCTTGGTCTCTGGATCCAGCGCAGCTGAGGGGACAGGCAAAGATTGGGTGT
 ATCGTCCCCTGAAGGAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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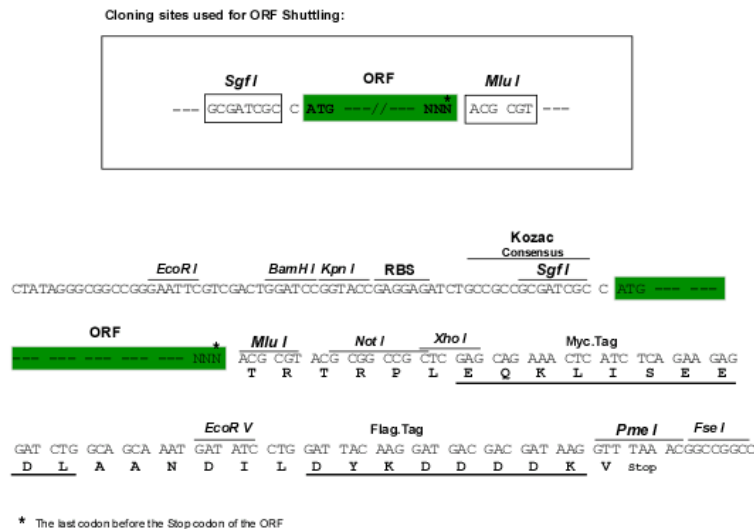
Protein Sequence: >MR226348 protein sequence
 Red=Cloning site Green=Tags(s)

MAMAERPRPGWASYQNPNNNCQDMGNSILLLLGLIVCINIGINLVTLWSRIRILLHRMFHIICEKETS
 TSLGKL VQPLRKQTPYKVL RCTMDPVKMTVTPPTRRRYRHRAPPSRRARCP IAWAPDTDDEKPPHQHP
 AICSRHWNSKDWEGFQSMQEVWEPWTQDGLEQPPQTIRFQPAVEARPLKSEIRSDQGLEAYVYTVNPPP
 PSLEALSHKNNAAGSGGCVEGEQAQGPVSPSFLGPANVPEIPRRHSSGRIVYDARDVRRRLREL TQEVE
 ALSHCYPLVSGSSAAEGTGKDWYRPLKGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028855

ORF Size: 930 bp

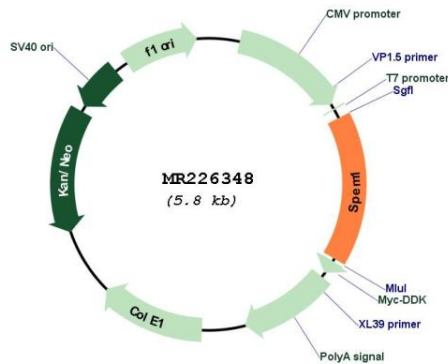
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_028855.1, NP_083131.1</u>
RefSeq Size:	1060 bp
RefSeq ORF:	933 bp
Locus ID:	74288
UniProt ID:	<u>Q5F289</u>
Cytogenetics:	11 B3
MW:	35.1 kDa
Gene Summary:	Required for proper cytoplasm removal during spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226348