

Product datasheet for RC207819

SPEM1 (NM_199339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPEM1 (NM_199339) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPEM1
Synonyms:	C17orf83
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207819 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCATGGTTGAGCGGCCGAGGCCGAGTGGGCCTCGTATCACAACAGCAACAGCTGCCAGG
 ACCTGGGCAACTCTGCTCTGTTGCTGCTGGCCTCATCATCTGCATTAACTAGCATCAATATAGTGAC
 CCTGCTCTGGAGCCGATTCCGTGGTGTCTTATACCAAGTGTTCATGATACCATTTGTGAGAAAGAAGCT
 CCCAAGTCATCATTACTCAGAAAGCAGACCCAGCCCCCTAAGAAGCAGAGTTCTCCTGCAGTCCATCTTC
 GGTGCACCATGGACCCTGTGATGATGACTGTGTCCCCGCCCCAGCTCACCGCCATCGCCGTCGAGGCTC
 TCCACACGCTGTGCTCACTGCCAGTAGCTTGGGCTCCTGACACTGATGACGAGAAGCCTCATCAGTAC
 CCAGCCATCTGCTCCTACCACTGGGATGTCCCTGAGGACTGGGAAGGCTTCCAACACACTCAGGGGACCT
 GGGTTCCTGGTCTCAGGATGCCCCAGAGTCCCCTCCCCAGACCATCCGCTTCCAGCCTACCGTAGAGGA
 AAGGCCCTCAAACAGGCATATGGTCCGAGCTGGGCCTAAGGGCCTATGTGTATCCTGTGAACCCCCCA
 CCTCCCAGCCCTGAGGCTCCTAGCCACAAGAACGGTGGGAGGGGGCGGTGCCAGAGGCAGAGGCGGCTC
 AGTACCAGCCTGTCCCAGCTCCCACCCTGGGCCAGCAGTCATCCCTGAATTTCCCGGCACCGCTCCTC
 AGGCCGAATAGTGATGATGCCCGGGACATGAGACGGCGGCTTCGGGAAGTACCCGGGAGGTGGAGGCC
 CTGTCCGGCTGTACCCCTAGCCTCTGGATCCAGCACTGCCGAGGAGACAAGCAAGAATTGGGTGTACC
 GTTCCCTAACTGGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC207819 protein sequence
 Red=Cloning site Green=Tags(s)

MAMVERPRPEWASYHNCNSNSCQDLGNSVLLLLGLIICINISINIVTLLWSRFRGVLYQVFHDTICEKEA
 PKSSLLRKQTQPPKKQSSPAVHLRCTMDPVMMTVSPPPAHRHRRRGSPTRCAHCPVAWAPDDEKPHQY
 PAICSYHWDVPEDWEGFQHTQGTWVPWSQDAPESPPQTIRFQPTVEERPLKGTIWSLGLRAYVYPVNP
 PPSPEAPSHKNGGEGAVPEAAEQYQVPAPTLGPAVIEFSSRHRSSGRIVYDARDMRRRLRELTREVEA
 LSGCYPLASGSSTAETSKNVVYRSLTGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6337_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199339

ORF Size: 927 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_199339.3](#)

RefSeq Size: 1009 bp

RefSeq ORF: 930 bp

Locus ID: 374768

UniProt ID: [Q8N4L4](#)

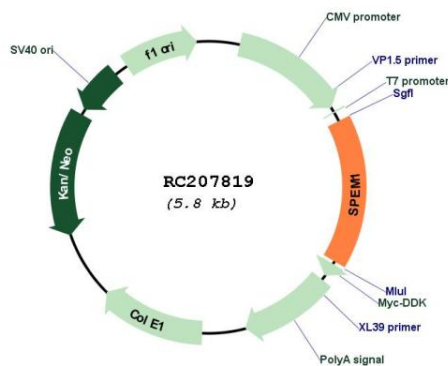
Cytogenetics: 17p13.1

Protein Families: Transmembrane

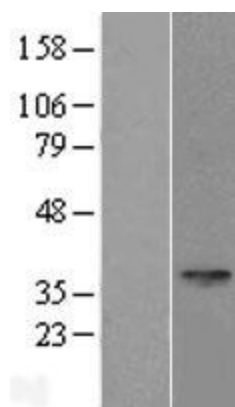
MW: 34.8 kDa

Gene Summary: Required for proper cytoplasm removal during spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207819



Western blot validation of overexpression lysate (Cat# [LY404309]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207819 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).