

Product datasheet for **RG207819**

SPEM1 (NM_199339) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: SPEM1 (NM_199339) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: SPEM1
 Synonyms: C17orf83
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG207819 representing NM_199339
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGGTTGAGCGGCCGAGGCCGAGTGGGCTCGTATCACAACGCAACAGCAACAGCTGCCAGG
 ACCTGGGCAACTGTCTGTGCTGCTGGCCTCATCATCTGCATTAACATTAGCATCAATATAGTGAC
 CCTGCTCTGGAGCCGATCCGTGGTGTCTTATACCAAGTGTCCATGATACCATTGTGAGAAAGAAGCT
 CCCAAGTCATCATTACTCAGAAAGCAGACCCAGCCCCCTAAGAAGCAGAGTTCTCCTGCAGTCCATCTTC
 GGTGCACCATGGACCCTGTGATGATGACTGTGTCCCCGCCCCAGCTCACCGCCATCGCCGTCGAGGCTC
 TCCACACGCTGTGCTCACTGCCAGTAGCTTGGGCTCCTGACACTGATGACGAGAAGCCTCATCAGTAC
 CCAGCCATCTGCTCCTACCACTGGGATGTCCCTGAGGACTGGGAAGGCTTCCAACACACTCAGGGGACCT
 GGGTTCCTGGTCTCAGGATGCCCCAGAGTCCCCTCCCCAGACCATCCGCTTCCAGCCTACCGTAGAGGA
 AAGGCCCTCAAACAGGCATATGGTCCGAGCTGGGCCTAAGGGCCTATGTGTATCCTGTGAACCCCCCA
 CCTCCCAGCCCTGAGGCTCCTAGCCACAAGAACGGTGGGGAGGGGGCGGTGCCAGAGGCAGAGGGCGGCTC
 AGTACCAGCCTGTCCCAGCTCCCACCCTGGGCCAGCAGTCATCCCTGAATTTTCCCGGCACCGCTCCTC
 AGGCCGAATAGTGTATGATGCCCGGGACATGAGACGGCGGCTTCGGGAAGTACCAGGGAGGTGGAGGCC
 CTGTCCGGCTGTACCCCTAGCCTCTGGATCCAGCACTGCCGAGGAGACAAGCAAGAATTGGGTGTACC
 GTTCCCTAACTGGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207819 representing NM_199339
 Red=Cloning site Green=Tags(s)

MAMVERPRPEWASYHNCNSNSCQDLGNSVLLLLGLIICINISINIVTLLWSRFRGVLYQVFHDTICEKEA
 PKSSLLRKQTQPPKKQSSPAVHLRCTMDPVMMTVSPPPAHRHRRRGSPTCAHCPVAWAPDDEKPHQY
 PAICSYHWDVPEDWEGFQHTQGTWVPWSQDAPESPPQTIRFQPTVEERPLKGTGIWSELGLRAYVYPVNP
 PPSPEAPSHKNGGEGAVPEAAEQYQVPAPTLPGAVIPEFSRHRSSGRIYVDARDMRRRLRELTREVEA
 LSGCYPLASGSSTAETSKNWVYRSLTGR

TRTRPLE - GFP Tag - V

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

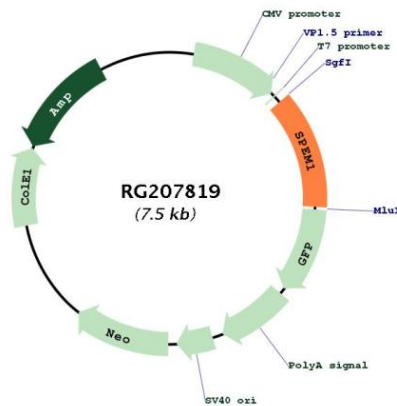
UniProt ID: [Q8N4L4](#)

Cytogenetics: 17p13.1

Protein Families: Transmembrane

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

Product images:



Circular map for RG207819