

Product datasheet for **RG206959**

SPEM2 (NM_175734) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPEM2
Synonyms:	C17orf74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG206959 representing NM_175734
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAACCAGCTATGGCATAACACCGTGAGATGTTGCAATCAATACCAAGAAAGCCCCACGATGCCG
 AGGACATCTTACTCCTGCTGCTGGGCCTCATCGTTCCTGTCAACATTGGCATCAACGTGGCAACTATGAT
 GTGGCATGGACTCCAGAACGCCTTAGACAAGATGATTGATTGGGCTACTCAGAAAAATGAAATTCAGGCC
 AGTGAAAGTCCCCAAGTGGTCCCCAGACAAGGCTCAGGATGTCCACATCCACTGCATCCTGGACCCCTG
 TGCAGGTGAAGATGTCCGACCCACGCACTCTCTTTCTCCTGCCACCATTTCTCCAACCATCACAG
 TAGCAGTCTTCTTCGCTGTGTTGTCGCGCCCGCCGCGCCACCGCGTTGTGCGCGTCGCTGCTGCAAC
 CACCAGCAGCGGCCGAGAACTACAGACAAATCCCCATAGCCACTCAGTCTTCCGTAACCCACATCGCA
 GCCAAAGATGTCACAACTACACCGAGTGCCTTTCTTTGATCAGGAGGACCCGATTCTACCTGGAGGA
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 GGTGTCCCGAAGCGCCGCTGAGGCCAGGGCTGCCGGGAGCACCCTCCCAAGTCCCAACAGCAG
 AGCCTGCTTGGTACGCTATGGCCAGTCCACCGCAGTCCCAACCATCCACGGAACCTTGGGCTACA
 GCTCCAGGACCCCGTGAAGTGGCGCTGGGACGCTGACTGGGCTGAGGCTCTGCCCGCTGGCGTCC
 TCTGACTACCTCTGCCTCCCTCACGGTGTGGACGAGGCTCCCATCAACGGACCCAGCTCCAAGCTCA
 GTGCTGGTCCCCATTCTCCAGCCCTGGCCCAAAGTCCAGGCTGCGGACCCCTGCCCTCCCCGACCA
 TGTTTGTCCCACTCAGCCGGAATCCAGGGGCAATGCCAACTACCAGGTGTACGACAGCTGGAGCTGAA
 GCGGCAGGTGCAGAAGAGCAGAGCCAGGTCCAGCTACTGCCACCGGCTCCACCTCCACCTGAGGCC
 TCTCTGCACAGGAGCCAGACCGAGAACTCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

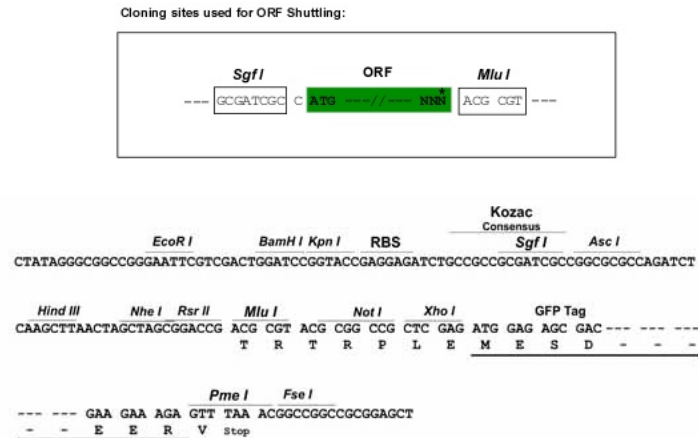
Protein Sequence: >RG206959 representing NM_175734
 Red=Cloning site Green=Tags(s)

MENQLWHNTVRCCNQYQESPHDAEDILLLLLGLIVLVNIGINVATMMWHGLQNALDKMIDWATQKNEIQA
 SESPPSGPPDKAQDVHIHCILDVPVQVKMSRPTQYSSFCHHFSNHHSSLLRCVRRRRRRHRRRCRRCCN
 HQQRPQNYRQIPHSHSVFRNPHRSQKMSQLHRVPFFDQEDPDSYLEEDNLPFPYPKYPRRGWGGFYQRA
 GLPSNVGLWGHQGGILASLPPPSLYLSPELRCPKRVEARSELRLQSYGRHGSQSRLWGNVEAEQWASSP
 PPPHRLPPNPSWVPVGHSPYPSVGWMLYDSWDQRRRGTEGFERPPASVSRNARPEAQGREHHSPQSHQQ
 SLLGHAYGQSHRSPHPSTEPLGYSSQDPREVRRAADWAEALPAWRPLTTSASLTVLDEASHQRTAPASS
 VLVPHSSQPWPKVQAADPAPPPTMFVPLSRNPGGNANYQVYDSLELKRQVQKSRARSSSLPPASTSTLRP
 SLHRSQTEKLN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175734

ORF Size: 1503 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.

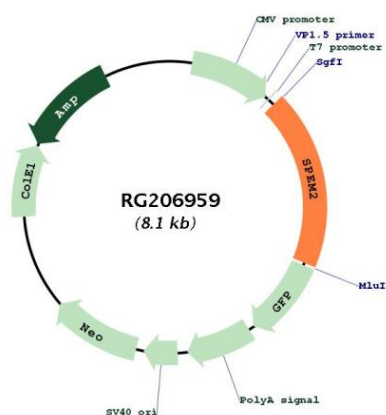
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175734.5](#)

RefSeq Size: 1670 bp

RefSeq ORF: 1506 bp
 Locus ID: 201243
 UniProt ID: [Q0P670](#)
 Cytogenetics: 17p13.1
 Protein Families: Transmembrane

Product images:



Circular map for RG206959