

Product datasheet for **MG214403**

Spem2 (NM_175368) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Spem2 (NM_175368) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Spem2 |
| Synonyms: | 4933402P03Rik; RP23-422L16.21 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG214403 representing NM_175368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAACCAGCTGTGGCAGAACCCTGAGGTGCTGCGAGCAATACCAAGAAAGCCCTCAGGATGCTG
 AGAACATCTTGTCTGCTGCTGGGCTCATCATTCTGGTCAACATCAGCATCAATGTGGCAACCGGAT
 GTGGCAGGGGCTCCAGAATGCCATAGACAAGATGATCTTTTGGATGAACCAGAAAACAGAAGTAGTCCAG
 GTTACCGAATGTCCCCCAAAGAGCCCCAACAGCCAACGTCCAGGACGTCCACATCCACTGTATCCTGG
 ACCCTGTACAAGTGAAGATGGCCCAACCACACAGTGTTCCTCTTCTCTTCCCCTATTTTTGCAAGCG
 CTCTAATGACAGGCGCAGCCGAGGCGCTACGGCTACCAACAGGGCAACCTTCAGATCCACCAAAGCAGC
 CAGCAACAGGGTGCCTCAGCCACCAGCAGAGACTTCGCAACAGGCCACTCTCCCGTGGCTACCCACCT
 TTCGTAACAACCTCAAGGCCACAAGATGTCACAGATGAGGCCAATGCCCTTTTTGACATGGAAGACCG
 GGATTCCTTCCGAGGGTCATTCTGCCCGCATGCCAAGCAACCCCGTGGGGTGGGGTGTGTTGTGT
 AAGCCAGTCCGTCTGGCCTCCAATGTGGGACTGTGGGGTGCAGGGTGAATCCTTGCCAGCCTCCCAT
 TACCCTCCCTCTACCTGTACCAGAGCTGCGCCGCTTGCCTAAGCGAGTAGAGGCCAAATCAGAAGTGA
 GCTACAGGGCTTCGGTCTCATTATTACAGTCCCGGATTTGGGGTACCGTGGAAGCTGAGCAGTGGGCC
 TCATCACCACTCTCCCCGCGGCTGCTTCTAACCTTCTCTGGGCTACTGTGGGTTATAGCTCTTTCC
 CTTCAGGGGGCCACATACCTTATGATGCCAGGGATCAGTGGAGGCGGGGACAGAAGGCTGTGAGCCACC
 ACCTGCCTTTGTACCCAGGAACCCAGAGAGGTCCAAGGCTACCGGGACCACAATCCCAGGCCACCGG
 CAGAATCTCTAGTCATACTCACAGCAACCAACCACAGCCACCACAATCCATGGGACACGTGGGTT
 ACAGCTCCCGGGAATCTCACGAAGTCCGAGGCGGGCCCTGACTGGATTGAGGTTTTCCCTCTCGTCA
 TCCTCTGACCACCTCTACCTCCCTTACGGCTTGGGTGAGGCTTACATACCAAGGGCCCCACCAGCCAGC
 TCGGGCTGATGATCCCACACTCTCCAGCGCTTGGCGAAGTCCAGATTTCTGATCCAACCCACCTC
 CAACCACCTTTGTTCCACTCAGTCGGAATCCAGGTGGCAATGCCACCTACCAGGTGTATGACAGCCTGGA
 GCTGAAGAGGCAGGTGCAGGAGAACAGAGGGCGGGCCAGCTCGCTACCACCGCTTCCACCTCAGCTTCA
 AGGCCCTCTGTCATAGAAGCCGGACAGGGAACTTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG214403 representing NM_175368
 Red=Cloning site Green=Tags(s)

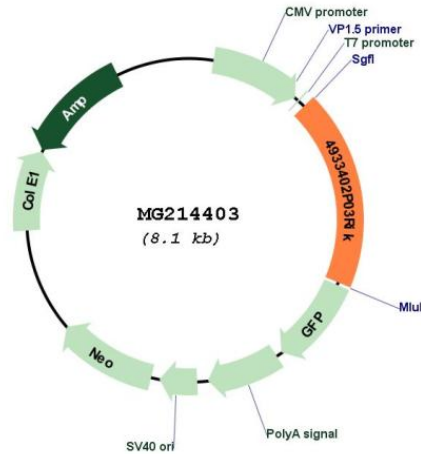
MENQLWQNTLRCCQYQESPQDAENILFLLLGLIILVNI SINVATAMWQGLQNAIDKMI FWMNQKTEVVQ
 VTECPPKEPQPANVQDVHHCILDPVQVKMAQPTQCSSSSSHYFCKRSNDRRSRRRYGQQGNLQIHQSS
 QQQGCLSHQRLNRPLSRGYPPFRKQPQGHKMSQMRPMPFFDME DRDSLPEGHSCPHAKQPRRGWGLC
 KPVRLASNVGLWGRQGGILASLPLPSLYLSPELRRLLPKRVEAKSELRLQGFPHYQSRIWGTVEAEQWA
 SSPPPPRRLLPNPSWVTVGYSSFPSGGHIPYDARDQWRRGTEGCEPPPAFVPRNPREVQGYRDHNSQAHR
 QNFSSHTSQPNHSPPQSMGHVGYSSRESHEVRRRAPDWIEVFPSRHPLTTSTLTALGEASYQRAPPAS
 SGLMIPHSSQRLAEVQISDPTPPPTTFVPLSRNPGGNATYQVYDSLELKRQVQENRGRASSLPPPSTAS
 RPSLHRSRTGKLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_175368

ORF Size: 1509 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.

RefSeq: [NM_175368.2](#)

RefSeq Size: 1615 bp

RefSeq ORF: 1512 bp

Locus ID: 108803

UniProt ID: [Q8C5U4](#)

Cytogenetics: 11 B3