

Product datasheet for **MR217387**

Spire1 (NM_194355) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (NM_194355) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spire1
Synonyms:	6030430B19Rik; AI415299; AU022898; AW550622; Spir-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR217387 representing NM_194355
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAATACCGTGGAGGCTGACGGGAGCAAGGATGAAGGGTACGAGGCTGCAGATGAAGGCCCGGAAG
 ATGAAGACGGAGAGAAGAGAAGCATCTCAGCCATCCGGTCTATCAGGAGTTATGAAGATCTGTGCTGC
 TCACCTCCCAACTGAGTCGGAGGCACCCAATCATTATCAGGCAGTATGTCGGGCCCTGTTGCGAGAAACC
 ATGGAAGTGCATACATTTCTGACCAAAATTAAGAGTGCAAAGGAGAACCTTAAGAAGATTCAAGAAATGG
 AAAAGGGTATGAATCTAGCACAGATCTGGAGGACCTGAAAAATGCAGACTGGGCCCGGTTCTGGGTACA
 AGTGATGAGGGATTTGCGAAATGGGGTAAACTTAAGAAAGTCCAGCAGCGGCAGTACAACCTCTGCC
 ATTGAGTACCAACTGACCCCTTATGAGATGCTCATGGACGACATTCGGTGCAAAGATACACCTTGAGAA
 AAGTAATGGTAAATGGTACGTCACCCCTCGGTTGAAAAAGAGTGCTCATGAGGTCATCCTTGACTTTAT
 CAGATCAAGACCCCTTTAAATCCAGTTTCAGCCAGAAAAGTAAACCAACCCACCACGGCCACGGAGC
 CTCCATGAAAGAATATTAGAAGAAATTAAGCAGAAAAGAAAGCTTCGACCTGTGTACCAGAAAGAAATTA
 GACGGAGCAGACTAGATGTCACACTACGCCAGAATCTCAAAGAATGTTGGAGAATCATCTATGGTGAATGG
 AGGCTTAACATCTCAAACAAAAGAAAATGGGCTGAGCGCTGCCAGCAGGGGTCTGCGCAGAGGAAGAGG
 CTCTCAAAGCCCAACCTGGCTGAACTGGACAGCTCTGACTCTGAGGAGGAAAAAGTCTGCACAAGT
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 GAAGCCTCAAATTTCTGCCCATCTCATCAACACCCAGCCAGAGAGAAGGCAGCCACCCGAGAGGCGC
 CACTCCATTGAGAAGGAAACACCTACGAACGTGAGGCAGTTTCTGCCACCATCCAGGCAGAGCTCACGGT
 CTCTTGTCTTAGATAACCGGTGATGGCCAGGACGCCTTTCCGACCACTTTTCTACCATACAAAC
 AGTCTCTGCTGAGCTCTCATCCTTTTGAAGCAGCCATGTTTGGGGTAGCAGGGGCTATGTATTATCTG
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 TTCTTACCTGGTCTTACACCTGTCAGTTCTGTAAGAGGCCCGTGTGCTCACAGTGTGCAAAAAGATGC
 GGCTGCCTTCAAAGCCATACTCTACTCTACCTATCTTCTTTGGGACCTTCTGCCTTGCAAAAGGGGGA
 AAGCTGTTGAGGTCAGAAAAACCTCCACTAGTACCATCGGCCTCTTGAAGTATTGCCAGGTTCTCC
 AAAAAATCCAGGTCTGTGGACAAGTCCGATGAGGAGCTCCAGTTCCCAAAGAGCTCATGGAGGACTGGA
 GCACGATGGAGGTGTGTGTGACTGCAAAAAGTTATCTCCGAGATCATCAGCTCAAGCCGGCGCAGCCT
 GGTGCTGGCTAACAAAAGAGCCAGGTTGAAAAGGAAGACACAGTCTTTCTACATGCTCTCGCGGGCCCC
 TCGGAGTACTGCCCTTCAAGACGGACTATCAACGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217387 representing NM_194355
 Red=Cloning site Green=Tags(s)

MANTVEADGSKDEGYEAADEGPEDEDGEKRSISAIRSYQDVMKICAAHLPTSEAPNHYQAVCRALFAET
 MELHTFLTKIKSAKENLKKIQEMEKGDSESTDLEDLKNADWARFWVQVMDLRNGVKLKKVQQRQYNPLP
 IEYQLTPYEMLMDDIRCKRYTLRKVMVNGDVPPRLKKSAAHEVILDFIRSRPPLNPVSARKLKPTPPRPRS
 LHERILEEIKAEKRLRPVSPEEIRRSRLDVTTPESPKNVGESSMVNGLTSQTKENGLSAAQQGSAQRKR
 LLKAPTLAELDSSDSEEEKSLHKSTSSSSASPSLYEDPVLEAMCSRKPKFLPISSTPQPERRQPPQRR
 HSIEKETPTNVRQFLPPSRQSSRSLVPRIITGVWPRTPFRLPSTIQTASLLSSHPEAAMFGVAGAMYLL
 FERAFTSRWKPSKEEFCYPVECLALTVEVMHIRQVLVKALEKYQYKDVYALKKGLCFCCRTRRFS
 FFTWSYTCQFCKRPVCSQCCKMRLPSKPYSTLPISLGPALQRGECSCRSEKPTSHHRPLRSIARFS
 TKRSVDKSDEELQFPKELMEDWSTMEVCVCKKFISEIISRRSLVLANKRARLKRKTQSFYMSSAGP
 SEYCPSSERTINEI

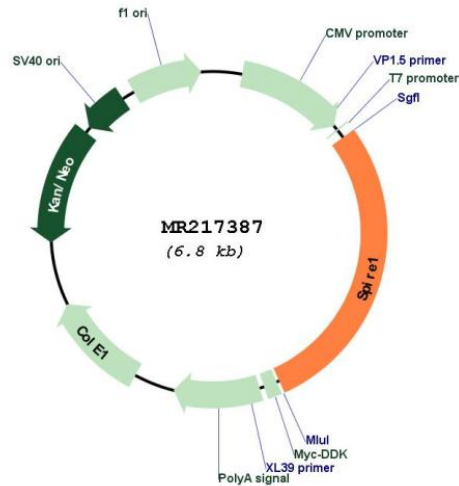
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_194355

ORF Size: 1929 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_194355.2](#), [NP_919336.1](#)

RefSeq Size: 5033 bp
RefSeq ORF: 1932 bp
Locus ID: 68166
Cytogenetics: 18 E1
MW: 74 kDa