

Product datasheet for **MC220004**

Spire1 (NM_194355) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (NM_194355) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC220004 representing NM_194355
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAATACCGTGGAGGCTGACGGGAGCAAGGATGAAGGGTACGAGGCTGCAGATGAAGGCCCGGAAG
 ATGAAGACGGAGAGAAGAGAAGCATCTCAGCCATCCGGTCTATCAGGAGTTATGAAGATCTGTGCTGC
 TCACCTCCCAACTGAGTCGGAGGCACCCAAATCATTATCAGGCAGTATGTGGGCCCTGTTGCGAGAAACC
 ATGGAAGTGCATACATTTCTGACCAAAATTAAGAGTGCAAAGGAGAACCCTAAGAAGATTCAAGAAATGG
 AAAAGGGTATGAATCTAGCACAGATCTGGAGGACCTGAAAAATGCAGACTGGGCCCGGTTCTGGGTACA
 AGTGATGAGGGATTTGCGAAATGGGGTAAACTTAAGAAAGTCCAGCAGCGGCAGTACAACCCTCTGCC
 ATTGAGTACCAACTGACCCCTTATGAGATGCTCATGGACGACATTCGGTGCAAAAGATACACCTTGAGAA
 AAGTAATGGTAAATGGTACGTCCCCCTCGTTGAAAAAGAGTCTCATGAGGTCATCCTTGACTTTAT
 CAGATCAAGACCCCTTTAAATCCAGTTTCAGCCAGAAAAGTAAACCAACCCACCACGGCCACGGAGC
 CTCATGAAAGAATATTAGAAGAAATTAAGCAGAAAGAAAGCTTCGACCTGTGTACCAGAAAGAAATTA
 GACGGAGCAGACTAGATGCTACTACGCCAGAATCTCAAAGAATGTTGGAGAATCATCTATGGTGAATGG
 AGGCTTAACATCTCAAACAAAAGAAAATGGGCTGAGCGCTGCCAGCAGGGGTCTGCGCAGAGGAAGAGG
 CTCCTCAAAGCCCAACCCTGGCTGAACTGGACAGCTCTGACTCTGAGGAGGAAAAAGTCTGCACAAGT
 CAACCAGCAGCAGAGTGCCTCTCCCTCCCTCTATGAGGATCCAGTACTGGAGGCCATGTCTCCAGGAA
 GAAGCCTCAAATTTCTGCCCATCTCATCAACACCCAGCCAGAGAGAAGGCAGCCACCCGAGAGGCGC
 CACTCCATTGAGAAGGAAACACCTACGAACGTGAGGCAGTTTCTGCCACCATCCAGGCAGAGCTCACGGT
 CTCTTGTCTCTAGGATAACCGGTGTATGGCCAGGACGCCTTTCCGACCACTTTTCTACCATACAAC
 AGCTTCTCTGCTGAGCTCTCATCCTTTTGAAGCAGCCATGTTTGGGGTAGCAGGGGTATGTATTATCTG
 TTTGAGAGAGCTTTTACCAGCAGGTGGAACCCCTCAAAGGAGGAATTCGCTACCCAGTGGAGTGCCTCG
 CTCTACTGTGGAGGAAGTATGCACATCCGTCAGGTCCTGGTAAAAGCAGAGCTGGAAAAGTACCAACA
 GTATAAGGATGTCTACTGCCCAGAAAAGGAAAGTCTGCTTCTGTTGCCGAACCCGGAGGTTTTTCC
 TTCTTACCTGGTCTTACACCTGTCAGTTCTGTAAGAGGCCCGTGTGCTCACAGTGTGCAAAAAGATGC
 GGCTGCCTTCAAAGCCATACTACTCTACCTATCTTCTTTGGGACCTTCTGCCTTCAAAGGGGGGA
 AAGCTGTTGAGGTCAGAAAAACCCCTCCACTAGTACCATCGGCCTCTTGAAGTATTGCCAGGTTCTCC
 AAAAAATCCAGGTCGTGGACAAGTCCGATGAGGAGCTCCAGTTCCCAAAGAGCTCATGGAGGACTGGA
 GCACGATGGAGGTGTGTGGACTGCAAAAAGTTCATCTCCGAGATCATCAGCTCAAGCCGGCGCAGCCT
 GGTGCTGGCTAACAAAAGAGCCAGGTTGAAAAGGAAGACACAGTCTTTCTACATGCTCTCGCGGGCCCC
 TCGGAGTACTGCCCTTCAGAACGGACTATCAACGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_194355
- Insert Size:** 1932 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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