

## Product datasheet for **MC217313**

### Spire1 (NM\_176832) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (NM_176832) 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:** >MC217313 representing NM\_176832  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAGTGCATACATTTCTGACAAAAATTAAGAGTGCAAAGGAGAACCCTTAAGAAGATTCAAGAAATGG  
AAAAGGGTGATGAATCTAGCACAGATCTGGAGGACCTGAAAAATGCAGACTGGGCCCGGTTCTGGGTACA  
AGTGATGAGGGATTTGCGAAATGGGGTAAACTTAAGAAAAGTCCAGCAGCGGCAGTACAACCCTCTGCC  
ATTGAGTACCAACTGACCCCTTATGAGATGCTCATGGACGACATTCGGTGCAAAAGATACACCTTGAGAA  
AAGTAATGGTAAATGGTGACGTCCCCCTCGGTTGAAAAAGAGTGCTCATGAGGTCATCCTTGACTTTAT  
CAGATCAAGACCCCTTTAAATCCAGTTTCAGCCAGAAAAGTAAACCAACCCACCACGGCCACGGAGC  
CTCCATGAAAGAATATTAGAAGAAATTAAGCAGAAAGAAAGCTTCGACCTGTGCACCAGAAGAAATTA  
GACGGAGCAGACTAGATGCTACTACGCCAGAATCTCAAAGAATGTTGGAGAATCATCTATGGTGAATGG  
AGGCTTAACATCTCAAACAAAAGAAAATGGGCTGAGCGCTGCCAGCAGGGGTCTGCGCAGAGGAAGAGG  
CTCCTCAAAGCCCAACCTGGCTGAACTGGACAGCTCTGACTCTGAGGAGGAAAAAAGTCTGCACAAGT  
CAACCAGCAGCAGAGTGCCTCTCCCTCCCTCTATGAGGATCCAGTACTGGAGGCCATGTCTCCAGGAA  
GAAGCCTCAAAATTTCTGCCCATCTCATCAACACCCAGCCAGAGAGAAGGCAGCCACCGCAGAGGCGC  
CACTCCATTGAGAAGGAAACACCTACGAACGTGAGGCAGTTTCTGCCACCATCCAGGCAGAGCTCACGGT  
CTCTTGAGGAATTCTGCTACCCAGTGGAGTGCCTCGCTCTCACTGTGGAGGAAGTGATGCACATCCGTCA  
GGTCTTGGTGAAGCAGAGCTGAAAAAGTACCAACAGTATAAGGATGTCTACACTGCCCTGAAAAAAGGA  
AAGCTCTGCTTCTGTTGCCGAACCCGGAGGTTTTCTTCTTCACTGGTCTTACACTGTGCTGCTGTA  
AGAGGCCCGTGTGCTCACAGTGTGCAAAAAGATGCGGCTGCCTTCCAAGCCACTACTCTACTCTACTAT  
CTTCTCTTTGGGACCTTCTGCCTTGCAAAAGGGGAAAGCTGTTTCGAGGTCAGAAAAACCCCTCACTAGT  
CACCATCGGCCTCTTCAAGTATTGCCAGTCTCCACAAAATCCAGGTCTGTGGACAAGTCCGATGAGG  
AGCTCCAGTTTCCAAAGAGCTCATGGAGGACTGGAGCAGATGGAGGTGTGTGGACTGCAAAAAGTT  
CATCTCCGAGATCATCAGCTCAAGCCGGCAGCCTGGTGTGCTGCTAACAAAAGGCCAGGTTGAAAAGG  
AAGACACAGTCTTCTACATGCTCCTCGGCGGGCCCTCGGAGTACTGCCCTTCAAGCGGACTATCAACG  
AGATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_176832

**Insert Size:** 1548 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\\_176832.2](#), [NP\\_789802.1](#)

**RefSeq Size:** 4761 bp

**RefSeq ORF:** 1548 bp

**Locus ID:** 68166

**Cytogenetics:** 18 E1