

Product datasheet for **MR209286**

Spire1 (BC094375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (BC094375) 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:

>MR209286 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAATACCGTGGAGGCTGACGGGAGCAAGGATGAAGGGTACGAGGCTGCAGATGAAGGCCCGGAAG
 ATGAAGACGGAGAGAAGAGAAGCATCTCAGCCATCCGGTCTATCAGGAGTTATGAAGATCTGTGCTGC
 TCACCTCCCAACTGAGTCGGAGGCACCCAATCATTATCAGGCAGTATGTCGGGCCCTGTTGCGAGAAACC
 ATGGAAGTGCATACATTTCTGACCAAAATTAAGAGTGCAAAGGAGAACCTTAAGAAGATTCAAGAAATGG
 AAAAGGGTATGAATCTAGCACAGATCTGGAGGACCTGAAAAATGCAGACTGGGCCCGGTTCTGGGTACA
 AGTGATGAGGGATTTGCGAAATGGGGTAAACTTAAGAAAGTCCAGCAGCGGCAGTACAACCTCTGCC
 ATTGAGTACCAACTGACCCCTTATGAGATGCTCATGGACGACATTCGGTGCAAAGATACACCTTGAGAA
 AAGTAATGGTAAATGGTACGTCCCCCTCGGTTGAAAAAGAGTGCTCATGAGGTCATCCTTGACTTTAT
 CAGATCAAGACCCCTTTAAATCCAGTTTCAGCCAGAAAAGTAAACCAACCCACCACGGCCACGGAGC
 CTCATGAAAGAATATTAGAAGAAATTAAGCAGAAAAGAAAGCTTCGACCTGTGTACCAGAAAGAAATTA
 GACGGAGCAGACTAGTGGGCCACTTAGCATGTCTCACAGTTTTGACTTGTGAGATGTCACCTACGCCAGA
 ATCTCAAAGAATGTTGGAGAATCATCTATGGTGAATGGAGGCTTAACATCTCAAACAAAAGAAAATGGG
 CTGAGCGCTGCCAGCAGGGGTCTGCGCAGAGGAAGAGGCTCCTCAAAGCCCAACCTGGCTGAACTGG
 ACAGCTTGACTCTGAGGAGGAAAAAGTCTGCACAAGTCAACCAGCAGCAGCAGTGCCTCTCCCTCCCT
 CTATGAGGATCCAGTACTGGAGGCCATGTCTCCAGGAAGAAGCCTCCAAAATCTTGCCCATCTCATCA
 ACACCCAGCCAGAGAGAAGGCAGCCACCGCAGAGGCCCACTCCATTGAGAAGGAAACACCTACGAACG
 TGAGGCAGTTTTCTGCCACCATCCAGGCAGAGCTCACGGTCTCTTGAGGAATTCTGCTACCCAGTGAGTG
 CCTCGCTCACTGTGGAGGAAGTGATGCACATCCGTGAGGTCCTGGTGAAGCAGAGCTGGAAAAGTAC
 CAACAGTATAAGGATGTCTACACTGCCCTGAAAAAAGGAAAGCTCTGCTTCTGTTGCCGAACCCGGAGGT
 TTTCTTCTTACCTGGTCTTACACCTGTGAGTCTGTAAGAGGCCCGTGTGCTCACAGTGTGCAAAAA
 GATGCGGCTGCCTTCAAAGCCATACTACTCTACCTATCTTCTCTTTGGGACCTTCTGCCTTGCAAGG
 GGGGAAAGCTGTTGAGGTCAGAAAAACCTCCACTAGTACCATCGGCCTTTCGAAGTATTGCCAGGT
 TCTCCAAAAATCCAGGTCTGTGACAAGTCCGATGAGGAGCTCCAGTTTCCAAAGAGCTCATGGAGGA
 CTGGAGCAGATGGAGGTGTGTGGACTGCAAAAAGTTCATCTCGAGATCATCAGCTCAAGCCGGCCG
 AGCCTGGTGTGGCTAACAAAAGAGCCAGTTGAAAAGGAAGACACAGTCTTTTACATGTCTCGGCGG
 GCCCTCGGAGTACTGCCCTTCAAGCGACTATCAACGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209286 protein sequence
 Red=Cloning site Green=Tags(s)

MANTVEADGSKDEGYEAADEGPEDEGEKRSISAIRSYQDVMKICAAHLPTSEAPNHVQAVCRALFAET
 MELHTFLTKIKSAKENLKKIQEMEKGDESSTDLEDLKNADWARFVWQVMRDLRNGVKLKKVQQRQYNPLP
 IEYQLTPYEMLMDDIRCKRYTLRKVMVNGDVPPRLKKSHEVILDFIRSRPPLNPVSARKLKPTPPRPRS
 LHERILEEIKAEKLRPVSPEEIRRSLVRPLSMHSFDLSDVTTPESPKNVGESSMVNGGLTSQTKENG
 LSAAQQGSAQRKRLKAPTLAELDSSDSEEEKSLHKSTSSSSASPSLYEDPVLEAMCSRKPKFPLISS
 TPQPERRQPPQRHSIEKETPTNVRQFLPPSRQSSRSLEEFQYVECLALTVEVMHIRQVLVKALEKY
 QQYKDVTALKKGLCFCCRTRRFSTFTWSYTCQFCKRPVCSQCCKMRLPSKPYSTLPIFSLGPSALQR
 GESCSRSEKPTSHRPLRSIARFSTKRSRVDKSDLEELQFPKELMEDWSTMEVCVCKKFI SEI I SSRR
 SLVLANKRARLKRKTQSFYMSSAGPSEYCPSERTINEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

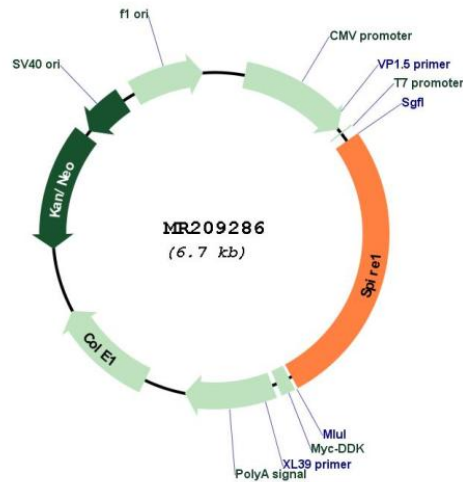
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:

ACCN: BC094375

ORF Size: 1794 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:	<ol style="list-style-type: none"> 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:	BC094375 , AAH94375
RefSeq Size:	4972 bp
RefSeq ORF:	1796 bp
Locus ID:	68166
Cytogenetics:	18 E1
MW:	68.5 kDa