

## Product datasheet for **MG209286**

### Spire1 (BC094375) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (BC094375) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spire1
Synonyms:	6030430B19Rik; AI415299; AU022898; AW550622; Spir-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG209286 representing BC094375  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAATACCGTGGAGGCTGACGGGAGCAAGGATGAAGGGTACGAGGCTGCAGATGAAGGCCCGGAAG  
 ATGAAGACGGAGAGAAGAGAAGCATCTCAGCCATCCGGTCTATCAGGAGTTATGAAGATCTGTGCTGC  
 TCACCTCCCAACTGAGTCGGAGGCACCCAATCATTATCAGGCAGTATGTGGGCCCTGTTGCGAGAAACC  
 ATGGAAGTGCATACATTTCTGACCAAAATTAAGAGTGCAAAGGAGAACCTTAAGAAGATTCAAGAAATGG  
 AAAAGGGTATGAATCTAGCACAGATCTGGAGGACCTGAAAAATGCAGACTGGGCCCGGTTCTGGGTACA  
 AGTGATGAGGGATTTGCGAAATGGGGTAAACTTAAGAAAGTCCAGCAGCGGCAGTACAACCTCTGCC  
 ATTGAGTACCAACTGACCCCTTATGAGATGCTCATGGACGACATTCGGTGCAAAGATACACCTTGAGAA  
 AAGTAATGGTAAATGGTACGTCCCCCTCGGTTGAAAAAGAGTGCTCATGAGGTCATCCTTGACTTTAT  
 CAGATCAAGACCCCTTTAAATCCAGTTTCAGCCAGAAAAGTAAACCAACCCACCACGGCCACGGAGC  
 CTCCATGAAAGAATATTAGAAGAAATTAAGCAGAAAGAAAGCTTCGACCTGTGTACCAGAAAGAAATTA  
 GACGGAGCAGACTAGTGGGCCACTTAGCATGTCTCACAGTTTTGACTTGTGAGATGTCACCTACGCCAGA  
 ATCTCAAAGAATGTTGGAGAATCATCTATGGTGAATGGAGGCTTAACATCTCAAACAAAAGAAAATGGG  
 CTGAGCGCTGCCAGCAGGGGTCTGCGCAGAGGAAGAGGCTCCTCAAAGCCCCAACCTGGCTGAACTGG  
 ACAGCTTGACTCTGAGGAGGAAAAAGTCTGCACAAGTCAACCAGCAGCAGCAGTGCCTCTCCCTCCCT  
 CTATGAGGATCCAGTACTGGAGGCCATGTGCTCCAGGAAGAAGCCTCCAAAATCTTGCCCATCTCATCA  
 ACACCCAGCCAGAGAGAAGGCAGCCACCGCAGAGGCCCACTCCATTGAGAAGGAAACACCTACGAACG  
 TGAGGCAGTTTCTGCCACCATCCAGGCAGAGCTCACGGTCTCTTGAGGAATTCTGCTACCCAGTGAGTG  
 CCTCGCTCACTGTGGAGGAAGTGATGCACATCCGTCAGGTCCTGGTGAAGCAGAGCTGGAAAAGTAC  
 CAACAGTATAAGGATGTCTACACTGCCCTGAAAAAAGGAAAGCTCTGCTTCTGTTGCCGAACCCGGAGGT  
 TTTCTTCTTACCTGGTCTTACACCTGTGAGTCTGTAAAGAGGCCCGTGTGCTCACAGTGTGCAAAAA  
 GATGCGGCTGCCTTCAAAGCCATACTACTCTACCTATCTTCTCTTTGGGACCTTCTGCCTTGCAAGG  
 GGGGAAAGCTGTTGAGGTCAGAAAAACCTCCACTAGTACCATCGGCCTTTCGAAGTATTGCCAGGT  
 TCTCCAAAAATCCAGGTCTGTGACAAGTCCGATGAGGAGCTCCAGTTTCCAAAGAGCTCATGGAGGA  
 CTGGAGCAGATGGAGGTGTGTGGACTGCAAAAAGTTCATCTCCGAGATCATCAGCTCAAGCCGGCCG  
 AGCCTGGTGTGGCTAACAAAAGAGCCAGGTTGAAAAGGAAGACACAGTCTTTCTACATGTCTCGCGG  
 GCCCTCGGAGTACTGCCCTTCAAGCGACTATCAACGAGATC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209286 representing BC094375  
 Red=Cloning site Green=Tags(s)

MANTVEADGSKDEGYEAADEGPEDEDGEKRSISAIRSYQDVMKICAAHLPTSEAPNHYQAVCRALFAET  
 MELHTFLTKIKSAKENLKKIQEMEKGDESSTDLEDLKNADWARFWVQVMRDLRNGVKLKKVQQRQYNPLP  
 IEYQLTPYEMLMDDIRCKRYTLRKVMVNGDVPPRLKKSHEVILDFIRSRPPLNPVSARKLKPTPPRPS  
 LHERILEEIKAEKLRPVSPEEIRRSRLVRPLSMHSFDLSDVTTPESPKNVGESSMVNGGLTSQTKENG  
 LSAQQGSAQRKRLKAPTLAELDSSDSEEEKSLHKSTSSSSASPSLYEDPVLEAMCSRKKPKFLPISS  
 TPQPERRQPPQRRHSIEKETPTNVRQFLPPSRQSSRSLEEFQYVECLALTVVEVMHIRQVLVKALEKY  
 QQYKDVTYALKKGLCFCCRTRRF SFFTWSYTCQFCKRPVCSQCCKMRLPSKPYSTLPIFSLGPSALQR  
 GESCSRSEKPSSTSHRPLRSIARFSTKRSVDKSDDELQFPKELMEDWSTMEVCVDCKKFI SEI I ISSRR  
 SLVLANKRARLKRKTQSFYMSSAGPSEYCPSERTINEI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC094375</a> , <a href="#">AAH94375</a>
<b>RefSeq Size:</b>	4972 bp
<b>RefSeq ORF:</b>	1796 bp
<b>Locus ID:</b>	68166
<b>Cytogenetics:</b>	18 E1