

Product datasheet for **RN202970**

Spire1 (NM_001107381) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spire1 (NM_001107381) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Spire1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202970 representing NM_001107381
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGCCCTCAAGCCCGGGCGGCGAGGGGCCGAGCTCGGGCGACAGGGGACCCGCGCAGCGC
 TGAGCTTGGAAGAGATCCTGCGGCTCTACAACCGCCCATCAACGAGGAGCAGGCGTGGCCGTGTGCTT
 CCAGTGCTGCGGCTCCCTGCGCGCCGCCCGCCGCGCCAGCCCCACCGCCGCTGCGCTCGGCCGCGCAG
 ATCCGCGTTATCGAATCCCTGGGAATTATTATTTATAAAGCACTGGACTATGGCTTGAAGAAAAATGAAG
 AGAGGGAGCTGAGCCCTCTCGAGCAGCTCATCGACCAATGGCCAATACCTCGGAGGCGGATGGAAG
 CAATGATGAAGGGTACGAGGCAGCAGATGAAGGCCAGACGAGGAAGATGGAGAGAGGAGAAGCAGCGCA
 GCCATTCGGTCTATCAAGATGTCATGAAGATATGTGCTGCTCATCTCCCCTGAGTGGAGGCACCGA
 ATCATTATCAGGCAGTATGTCGGGCACTGTTGACAGAAACCATGGAAGTGCATACGTTTCTGACCAAAAT
 TAAGAGTGCAGGAGAACCTTAAGAAGATTCAAGAAATGAAAAAGAGTGTAGTGTAGCAGATCTG
 GAGGACCTGAAAAATGCAGACTGGGCACGGTCTGGGTACAGGTGATGAGGGATTGCGAAATGGGGTAA
 AACTTAAGAAAAGTCCAACAGCGGCACTACAACCCATTGCCATTGAATACCAGCTCACCCCGTATGAGAT
 GCTCATGGACGACATTCGGTGCAAAAGATACACCTTGAGAAAAGTAAATGGTAAATGGTGACATTCGCCCT
 CGGTTAAGAAAAGAGTGCTCATGAGATCATCCTTGACTTCATCAGATCAAGACCCCTTTAAATCCAGCTT
 CAGCCAGAAAAGTGAACCAACCCACCCAGCGCCACGGAGCCTCCATGAAAGAATACTAGAAGAAATTA
 AGCAGAAAAGAAAGCTTCGGCCTGTCTACCAGAAGAAATAGACGGAGCAGACTAGATGTTACTACACCA
 GAATCTCAAAGAATGTGGGAAATCATCTGTGGTGAATGGAGACTTAACATCTCAAACGAAAGAAAATG
 GGCTGGGTGCTGCCAGCCGGGCTGCACAGCCAAAGAGGCTCCTCAAAGCCCCGACCTGGCTGAGT
 GGACAGCTCTGACTCTGAGGAGGAAACTCTGCACAAGTCAACAGCAGCAGCAGTGCATCTCCCTCCCTC
 TATGAGGACCCAGTACTGGAGGCCATGTGCTCCAAGAAGAAGCCTCCAAAATTCTTGCCATCTCATCAA
 CACCCAGCCGAGAGAAGGCAACCACCACAGAGGCGCCACTCCATTGAGAAGGAAACTCTACAAATGT
 GAGGCAGTTTCTGCCCATCCAGGCAGAGCTCACGTTCTTGTTCCTAGGATAACCAGTGTATGGCCA
 AGGACGCCTTCCGACCACTTTCTCTGCCATACAAACAGCTTCTCTGCTGAGCTCTCATCCTTTTGAAG
 CAGCCATGTTGGGGTAGCAGGGGCTATGTATTATCTGTTTGGAGAGCTTTTACCAGCAGGTGAAACC
 CTCAAAGGAGGAATTCTGCTACCCAGTGAATGCCTCGCTCTCACTGTGGAGGAAGTGTGCACATTCGT
 CAGGTCCTGGTGAAGCGGAGCTGGAAAAGTACCAACAGTATAAGGATGTCTACACTGCCCTGAAAAAG
 GAAAGCTCTGCTTCTGTTGCCGAACCCGGAGGTTTTCTTCTTCACTGGTCTACACTGTCAGTCTG
 TAAGAGGCCCGTGTGCTCACAGTGTGCAAAAAGATGCGGCTGCCTTCGAAGCCATACTCCACTTTACCT
 ATCTTCTCTTTGGGACCTTCTGCCTTGCAAAAGAGGGGAAAGTTGTTGAGGTCAGAAAAACCTTCTACTG
 GTCACCATCGGCCGCTTCGAAGTATTACCAGATTCTTCAAATCAAAGTCTGTGGACAAATCAGATGA
 AGAACTCCAGTTTCCAAAGAGTTTATGGAAGATTGGAGCACAATGGAGGTGTGTGTAGACTGCAAAAAG
 TTCATTTACAGATCATCAGCTCAAGCCGGCGCAGCCTGGTGTGGCCAAACAAAAGGCCAGGTTGAAA
 GGAAGACACAGTCTTTCTACATGCTCAGCGGGCCCCCGGAGTACTGCCCTTCAGAACGGACTATCAA
 CGAGAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001107381

Insert Size: 2250 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:	<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:	<u>NM_001107381.1, NP_001100851.1</u>
RefSeq Size:	5480 bp
RefSeq ORF:	2250 bp
Locus ID:	307348
Cytogenetics:	18q12.1