

## Product datasheet for MR202508

### Spry1 (BC039139) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Spry1 (BC039139) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Spry1  
 Synonyms: sprouty1; s pry-1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR202508 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATCCCCAAGTCAGCATGGCAGCCCACTTCGCTAGTGGTGATTTCAGCCACCGGCTGTGGAAGGCC  
 GGCAGAGGTTAGACTATGACAGGGACACTCAGCCTGCTACGATTCTGTCCCTAGACCAGATCAAAGCCAT  
 CAGAGGCAGCAATGAATACACAGAGGGACCTTCGGTAGCGAGAAGACCTGCTCCTCGACTGCACCAAGA  
 CCCGAAAAGCAGGAAAGGACTCATGAAATCATACCAGCCAATGTGAATAGCAGCTACGAGCACCGACCTG  
 CCAGCCACCCGGCAACGCCAGGGGCTCGGTGCTGAGCAGGTCCACCAGCACCGGAAGCGCGGCCAGCTC  
 AGGGAGCAGCAGCAGTGTGCTTCTGAGCAGGGCCTATTAGGACGGTCTCCGCCACCAGGCCCTGCCCT  
 CCTGTCTGGCCTGTGATCGGCAGTGCCTCTGCTCCGCGGAGAGCATGGTGAATACGGGACCTGCATGTG  
 CCTGGTCAAGGGCATTCTTCTACCACTGCTCCAATGATGATGATGGAGGTTCTTACTCGGATAACCCATGC  
 TCCTGTTACAGTCCCCTGCTGCTCCAGATACCTGTGCATGGGAGCCCTGTCTTTGTGCCTACCCTGCT  
 TGCTCTGCTACCCTCCCGCAAGGGCTGCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR202508 protein sequence  
Red=Cloning site Green=Tags(s)

MDSPSQHGSHTSLVVIQPPAVEGRQLDYDRDTPATILSLDQIKAIRGSNEYTEGPSVARRPAPRTAPR  
 PEKQERTHEIIPANVNSSYEHRPASHPGNARGSVLSRSTSTGSAASSGSSSSVSSEQLLGRSPPTRPCP  
 PVWPVIGSASAPRRRAWNTGPACAWSRAFSTTAPMMMEVLTRITHAPVHSPTAAPDTCWEPLCAYPA  
 CSATLPPRAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC039139

**ORF Size:** 660 bp

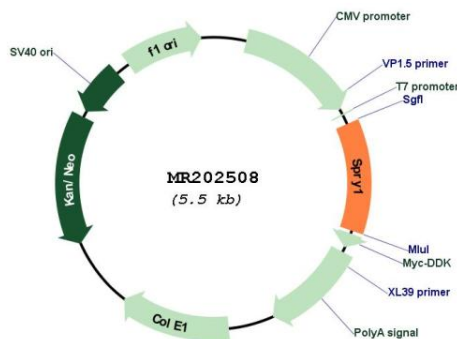
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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:** [BC039139](#), [AAH39139](#)
- RefSeq Size:** 2357 bp
- RefSeq ORF:** 662 bp
- Locus ID:** 24063
- Cytogenetics:** 3 B
- MW:** 23.4 kDa
- Gene Summary:** May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202508