

## Product datasheet for **MG204461**

### Spry1 (NM\_011896) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spry1 (NM_011896) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spry1
Synonyms:	sprouty1; spry-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204461 representing NM_011896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCCCCAAGTCAGCATGGCAGCCACACTCCCTAGTGGTGATTCAGCCACCGGCTGTGGAAGGCC  
GGCAGAGGTTAGACTATGACAGGGACACTCAGCCTGCTACGATTCTGTCCCTAGACCAGATCAAAGCCAT  
CAGAGGCAGCAATGAATACACAGAGGGACCTTCGGTAGCGAGAAGACCTGCTCCTCGCACTGCACCAAGA  
CCCGAAAAGCAGGAAAGGACTCATGAAATCATAACAGCCAATGTGAATAGCAGCTACGAGCACCGACCTG  
CCAGCCACCCGGCAACGCCAGGGGCTCGGTGCTGAGCAGGTCCACCAGCACCGAAGCGCGGCCAGCTC  
AGGGAGCAGCAGCAGTGTGCTTCTGAGCAGGGCCTATTAGGACGGTCTCCGCCACCAGGCCATCCCA  
GGTCATAGGTCAGATCGGGTCATCCGGACCCAGCCCAAGCAGCTGCTGGTGAAGACTTGAAGGCCCTCT  
TGAAAGAGGACCCACCCAGCACAAAGTTCATCTGCGAACAGTGTGGCAAGTGCAAATGTGGAGAGTGTAC  
GGCCCCCGGGCCCTGCCCTCCTGTCTGGCCTGTGATCGGCAGTGCCCTGCTCCGCGGAGAGCATGGTG  
GAATACGGGACCTGCATGTGCCTGGTCAAGGGCATTTCTACCACTGCTCCAATGATGATGATGGAGGTT  
CTTACTCGGATAACCCATGCTCCTGTTACAGTCCCAGTGTGCTCCAGATACCTGTGCATGGGAGCCCT  
GTCTTTGTGCCTACCTGCTTGTCTGTACCTCCCAGGAGGCTGCCTGAAGCTGTGCAGGGGCTGT  
TACGACTGGACCCACCGCCCTGGCTGCAGGTGTAGAACTCCAACACTGTCTATTGTAAGCTGGAGAGCT  
GCCCCTCAAGGGCTCAGGGCAAAGTGTCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204461 representing NM\_011896  
 Red=Cloning site Green=Tags(s)

MDSPSQHGSHTSLVVIQPPAVEGRQRLDYDRDTPATILSLDQIKAIRGSNEYTEGSPVARRPAPRTAPR  
 PEKQERTHEIIPANVNSSYEHRPASHPGNARGSVLSRSTSTGSAASSGSSSSVSSEQLLGRSPPTPIP  
 GHRSDRVIRTQPKQLLVEDLKASKLEDPTQHKFICEQCGKCKCGECTAPRALPCLACDRQCLCSAESMV  
 EYGTCLMLVKGIFYHCSNDDDDGGSYSDNPCSCSQSHCCSRYLCMGALSLCLPCLLCYPPAKGCKLCLCRGC  
 YDWTHRPGRCRNSNTVYCKLESCPSRAQGKLS

TRTRPLE - GFP Tag - V

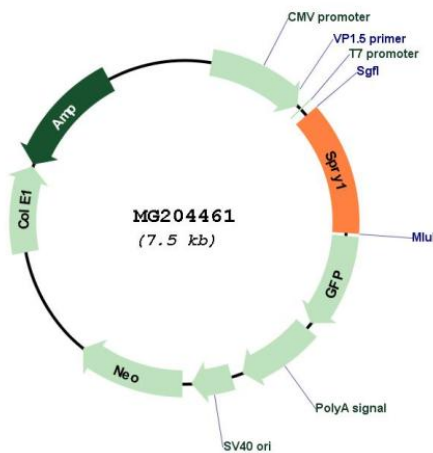
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_011896

**ORF Size:** 939 bp

<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="#">NM_011896.1</a> , <a href="#">NP_036026.1</a>
<b>RefSeq Size:</b>	2502 bp
<b>RefSeq ORF:</b>	942 bp
<b>Locus ID:</b>	24063
<b>UniProt ID:</b>	<a href="#">Q9QXV9</a>
<b>Cytogenetics:</b>	3 B
<b>Gene Summary:</b>	May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.[UniProtKB/Swiss-Prot Function]