

## Product datasheet for **SC330631**

### Sprouty 1 (SPRY1) (NM\_001258038) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sprouty 1 (SPRY1) (NM\_001258038) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sprouty 1  
**Synonyms:** hSPRY1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330631 representing NM\_001258038.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGATCCCCAAATCAACATGGCAGTGGCAGTTCGTTAGTTGTGATCCAGCAGCCTTCTTTGGATAGC
CGTCAGAGATTAGACTATGAGAGAGAGATTGAGCCTACTGCTATTTTGTCTTAGACCAGATCAAGGCC
ATAAGAGGCAGCAATGAATACACAGAAGGGCCTTCGGTGGTGAAAAGACCTGCTCCTCGGACAGCACCA
AGACAAGAAAAGCATGAAAGGACTCATGAAATCATACCAATTAATGTGAATAATAACTACGAGCACAGA
CACACAAGCCACCTGGGACATGCAGTACTCCCAAGTAATGCCAGGGGCCCATTTTGAGCAGATCAACC
AGCACTGGAAGTGCAGCCAGCTCTGGGAGCAACAGCAGTGCCTCTTCTGAACAGGGACTGTTAGGAAGG
TCACCACCAACCAGACCAGTCCCTGGTCATAGGTCTGAAAGGGCAATCCGGACCCAGCCCAAGCAACTG
ATTGTGGATGACTTGAAGGGTTCCTTGAAGAGGACCTGCACAGCACAAAGTTTCATTTGTGAACAGTGT
GGGAAGTGCAAGTGTGGAGAATGCACTGCTCCAGGACCTACCATCCTGTTTGGCCTGTAACCGGCAG
TGCCTTTGCTCTGCTGAGAGCATGGTGAATATGGAACCTGCATGTGCTTAGTCAAGGGCATCTTCTAC
CACTGCTCCAATGACGACGAAGGGGATTCTATTCAGATAATCCTTGCTCCTGTTCACAATCACACTGC
TGCTCTAGATACCTGTGTATGGGAGCCATGTCTTTATTTTACCTTGCTTACTCTGTTATCCTCCTGCT
AAAGGATGCCTGAAGCTGTGCAGGAGGTGTTATGACTGGATCCATCGCCAGGGTGCAGATGTAAGAAC
TCCAACACTGTCTATTGTAAGCTGGAGAGCTGCCCTCCCGGGTCCAGGGTAAACCATCATGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001258038  
**Insert Size:** 960 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).



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**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:** [NM\\_001258038.1](#)

**RefSeq Size:** 2626 bp

**RefSeq ORF:** 960 bp

**Locus ID:** 10252

**UniProt ID:** [O43609](#)

**Cytogenetics:** 4q28.1

**Protein Families:** Druggable Genome

**Protein Pathways:** Jak-STAT signaling pathway

**MW:** 35.1 kDa

**Gene Summary:** May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest variant. Variants 1-4 encode the same protein.