

Product datasheet for **SC101066**

Sprouty 3 (SPRY3) (NM_005840) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sprouty 3 (SPRY3) (NM_005840) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPRY3
Synonyms:	spry-3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005840, the custom clone sequence may differ by one or more nucleotides

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ATGGATGCTGCGGTGACAGATGATTTTCAACAAATTCTGCCTATTGAACAGCTGCGCTCTACTCATGCTA
GCAATGACTACGTGGAACGGCCTCCAGCCCCGTAAACAGGCCCTCCAGCCCTTCCCTTATTGTGCA
AACCCACAAGTCTGATTGGTCTCTGGCTACCATGCCTACTTCTCTCCCCGCAGTCTCAGCCAGTGCCAT
CAACTGCAGCCCTTGCCCTCAGCATCTGAGCCAATCTAGCATTGCCAGCTCAATGTCCCATAGCACCCTG
CCTCTGATCAAAGGCTCTTGCCAGCATTACACCCTCACCTTCAGGCCAATCCATCATCCGAACCCAACC
TGGAGCAGGGGTCCACCCAAAGGCTGATGGTGCCTGAAGGGAGAAGCTGAGCAATCTGCAGGGCACCCCT
AGTGAGCACCTCTTCATCTGTGAGGAATGTGGGCGCTGCAAGTGCGTCCCCTGCACAGCAGCTCGCCCTC
TCCCCTCCTGCTGGCTGTGCAACCAGCGCTGCCTTTGCTCTGCTGAGAGCCTCCTCGATTATGGCACTTG
TCTCTGCTGTGTCAAGGGCCTCTTCTACCACTGCTCCACTGATGATGAAGACAACCTGTGCTGATGAGCCC
TGCTCTTGTGGGCTAGTTCTTGCTTTGTCCGCTGGGCAGCCATGAGCCTCATCTCCCTTCTCTACCT
GCCTGTGCTGCTACCTGCCTACCCGTGGATGCCTCCATCTGTGCCAACAGGGCTATGATAGCCTCCGGCG
ACCAGGCTGCCGCTGCAAGAGGCACACCAACACTGTGTGCAGAAAGATCTCTTCTGGTAGTCACCCTTC
CCAAGGCCAGGAAAAGTCTGTATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005840 unedited TCGGCACGAGGGNAGAAAGAGGAGGAGGTGAACAACTTACCCTGCTGAGCTTTCTTTGGG AAATACGTCCATCAAGATTTAGATCTGCCTGTAATACTATAACAAAGTATATGCCACTAC AGGTTTGACTCGCCCCCTCCCCGTTTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTT GTGTTTTCTCTGCTGTGTCAAAGAACAAGACAGAACTATCTCTGTTTCTGGCTCCACTGC CTGCCAGTGAAGGAGTTTTTCATTCAGACTTTCCGAAGAGAGGTGGAGAAAACCTAAAGACT GAGGAGAAGAGATCCTTTGAGCCAGATGGGGCATTAGTTCTTCTGCTTTTCTCAGCATGG ATAAACCATTTTCTCAAGGATTTTCTCATGTGCCCTGAAATCCATGTAACCTACCAAGGGC TCCTCTTTATACCATAAGTGCCACCCTGACTTAAACCCTCAGAGCTAAAAAATCAAG GCAAAATGGATGCTGCGGTGACAGATGATTTTAACAAATTCTGCCTATTGAACAGCTGCG CTCTACTCATGCTAGCAATGACTACGTGGAACGGCCTCCAGCCCCCTGTAACAGGCCCTC TNCAGCCCTTCCCTTATTGTGCANACCCACAAGTCTGATTGGTCTCTGGTACCATGCT ACTTCTCTCCCCGAGTCTCAGCCAGTGCCATAACTGCAGCCCTTTGCTCACATCTGAGC CATCTAGCATTGCAGCTCATGTCCATAGCACACTGCCTCTATCAAAGCTTTGNCACATT ACCCCTACTTTTAGGCATNCATATTCGACCCACTGAACAAGGGTCACCAAGCTTATGGT GCTTTAAGGAAANCTGACATTGCAGGCACCTATGACACTTTATTGNAGAGAAGGGCCTT AAAGGTCCCTGAAAATTTCCCTTCTTTGTTGTAACAGCTCTTTTTTTGAAGCCCTA TTGCCTTTTTTTTAAGACCTTACCCTCTAT
Restriction Sites:	NotI-NotI
ACCN:	NM_005840
Insert Size:	5000 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:	NM_005840.1 , NP_005831.1
RefSeq Size:	9038 bp
RefSeq ORF:	867 bp
Locus ID:	10251
UniProt ID:	O43610
Cytogenetics:	Xq28 and Yq12
Protein Pathways:	Jak-STAT signaling pathway

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 longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.