

Product datasheet for **SC303696**

Sprouty 1 (SPRY1) (NM_005841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sprouty 1 (SPRY1) (NM_005841) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sprouty 1
Synonyms:	hSPRY1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005841 edited ATGGATCCCCAAATCAACATGGCAGTGGCAGTTCGTTAGTTGTGATCCAGCAGCCTTCT TTGGATAGCCGTCAGAGATTAGACTATGAGAGAGAGATTGAGCCTACTGCTATTTTGTCC TTAGACCAGATCAAGGCCATAAGAGGCAGCAATGAATACACAGAAGGGCCTTCGGTGGTG AAAAGACCTGCTCCTCGGACAGCACCAAGACAAGAAAAGCATGAAAGGACTCATGAAATC ATACCAATTAATGTGAATAAATACTACGAGCACAGACACACAAGCCACCTGGGACATGCA GTACTCCCAAGTAATGCCAGGGGCCCATTTTGTGAGCAGATCAACCAGCACTGGAAGTGCA GCCAGCTCTGGGAGCAACAGCAGTGCCTCTTCTGAACAGGGACTGTTAGGAAGGTCACCA CCAACCAGACCAGTCCCTGGTCAATAGGTCTGAAAGGGCAATCCGGACCCAGCCCAAGCAA CTGATTGTGGATGACTTGAAGGGTTCCTTGAAGAGGACCTGACACAGCACAAGTTCATT TGTGAACAGTGTGGGAAGTGCAAGTGTGGAGAATGCACTGCTCCAGGACCTACCATCC TGTTTGGCCTGTAACCGGCAGTGCCTTTGCTCTGCTGAGAGCATGGTGAATATGGAACC TGCATGTGCTTAGTCAAGGGCATCTTCTACCACTGCTCCAATGACGACGAAGGGGATTCC TATTCAGATAATCCTTGCTCCTGTTTACAAATCACACTGCTGCTCTAGATACCTGTGTATG GGAGCCATGTCTTTATTTTACCTTGCTTACTCTGTTATCCTCCTGCTAAAGGATGCCTG AAGCTGTGCAGGAGGTGTATGACTGGATCCATCGCCAGGGTGCAGATGTAAGAAGTCC AACACTGTCTATTGTAAGCTGGAGAGCTGCCCCCTCCCGGGTTCAGGGTAAACCATCATGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005841 unedited</p> <pre>ACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGCTCCGGCGATGCCGCTCG CCCTCCCCCGCGCGTTGATGCGGCACGTGCACGCCGCCGCCACCAGGACCTGGGCC GGGTGCGCACGGCTTGGCCCCGGCCACCCTTCGGCCTAGGATTTAGATGCATGCCAGG TTTCCACTGATTGCCAGAAGCTCGAGATCACTACACATGGATCCCCAAAATCAACATGGCA ATGAGAGAGAGATTACAGCTACTGCTATTTTGCCTTAGACCAGATCAAGGCCATAAGAG GCAGCAATGAATACACAGAAGGGCCTTCGGTGGTGAAAAGACCTGCTCCTCGGACAGCAC CAAGACAAGAAAAGCATGAAAGGACTCATGAAATCATACCAATTAATGTGAATAATAACT ACGAGCACAGACACACAAGCCACCTGNGACATGCAGTACTCCCAAGTAATGCCAGGGGCC CCATTTTGGAGCAGATCAACCAGCACTGGAAGTGCAGCCAGCTCTGGGAGCAACAGCAGTG CCTCTTCTGAACAGGGACTGTTAGGAAGGTCACCACCAACCAGACCAGTCCCTGGTCATA NGTCTGAAAGGGGCATCCGGACCCAGCCAGCAACTGATTGTGGATGACTGAAGGGGTC CTTGAAAGAGACCTGACCAGCACATGTCATTTGTAACAGGTGGGAAGTGCAGTGTGGAG ATGCACTGCTCCCAGACCCTACCTCCTGTTTGGCCTGTACCCGAGTGCCTTTGCTTGTCT GANACATGGTGGATATGAACCTGCATGTCTATCAGGGCATCTCTACACGGCTCATGACA CGAAGGGATNCTATCAGATATCCTGCTCTGTCCAATACCTGTGCTTANTACTGGTTGGGA CCTGCTTTATTTACTTGCTCTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005841 unedited</p> <pre>GGCCTATGGTTATATACCTGGGGTAATAGAAGTCTCGGTCCTTTTTTCGTAGTTTGAAT AGTCCATCACAGATACTTTCAACGTCTTTTGCAAATACCATAAAATAATAGAATTCGCATA ATAAATATTCTTTACAATAAAAAAGTTTAAACAGACTTTTGTCTTTGAATAGGTTGGAAGT CAACTTTGTGATTATACCTTTAATATACAAAAAGCACCAATTTGTGGTTAAGGCAAG GAAAACACAGAAGAGATTAGAATTACGTCGCTGTTAACTATCCAAGGGGCCAAAAGGACC ATTAAGGAGCCAAGATCACTTTAGGCAGCATAGTTCTGTGACGCATGGAGATTGATCAGC TATAAATATCAACTTGAGTTATCCCAGTGCCCTCAATGGCAACAAAAATTTGGTGAGAAG CATGGGTTGAAGAAGGAAAGTGGCTGAGTTCCTGCGAAATACAAGGCTATAGTGAAGATG GGCAAGGGTCCAACCAATTATAGGTCCATAGGGGGGATGTCTGGGGAAGCGAATCTCTGA TATTACTAAGAAGGAAGAGGTGAAATTTGGGATCTACAGAGCGGGAGTAAGCCGAAGTC GAGGGGAAAGACCTTGGGAGGACAAAGGGCGCGGGCCCGTTATAAGGAAAAATGCTTGC GTTTTGACTGAGAGGATGGTCCAAGGGGCAGTTAGAGAGGCTAAGGTTGGGCGGAATAG CGACAAGGTGAAAGGTAGGGGATGGCCATGCTAGGAGAAGGCGGTGTACCCCGTAGTG CCTAGAAAACGGAGGTTACGGGTTTCTAAGGGCATCAAGGGTGGAGGCATGTTGGAAGC AAGCGCGT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005841
Insert Size:	2300 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_005841.1 , NP_005832.1
RefSeq Size:	2612 bp
RefSeq ORF:	960 bp
Locus ID:	10252
UniProt ID:	O43609
Cytogenetics:	4q28.1
Protein Families:	Druggable Genome
Protein Pathways:	Jak-STAT signaling pathway
Gene Summary:	<p>May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate promoter, compared to variant 1. Variants 1-4 encode the same protein.</p>