

Product datasheet for **SC321990**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321990
TGCAGAGGGCGCAGCTCCACCGTGGTAACCTTGCAATGTGGCCGCCCTGCGCTGGCTTCT
TTCTCCTCGGCCCTCGGTGAACCCAGCTTTTCCTTTAAAGCATAGACAAATCCTTGCTTA
GGGTACAGCCAGACCGTGGGCTTGCTTTGGGCTCCCGCTGGACGCTGAAGGCTCTTCATG
ATTTCTCAGAAACCTTGGTGGCCACCCAAAAAGTGTGTGGAATCCACGGTGATCCTT
AATATGGTGTGGGATTCGCGAAAAGGATTCAGATGCATGCCAGGTTTCCACTGATTG
CCAGAACTCGAGATCACTACACATGGATCCCCAAAATCAACATGGCAGTGGCAGTTCGTT
AGTTGTGATCCAGCAGCCTTCTTTGGATAGCCGTCAGAGATTAGACTATGAGAGAGAGAT
TCAGCCTACTGCTATTTTGTCTTAGACCAGATCAAGGCCATAAGAGGCAGCAATGAATA
CACAGAAGGGCCTTCGGTGGTGAAGACCTGCTCCTCGGACAGCACCAAGACAAGAAAA
GCATGAAAGGACTCATGAAATCATACCAATTAATGTGAATAATAACTACGAGCACAGACA
CACAAGCCACCTGGGACATGCAGTACTCCCAAGTAAATGCCAGGGGCCCATTTTGAGCAG
ATCAACCAGCACTGGAAGTGCAGCCAGCTCTGGGAGCAACAGCAGTGCCTCTTCTGAACA
GGGACTGTTAGGAAGTCAACCACCAACCAGACCAGTCCCTGGTCAATAGGTCTGAAAGGGC
AATCCGGACCCAGCCCAAGCAACTGATTGTGGATGACTTGAAGGGTTCTTGAAAGAGGA
CCTGACACAGCACAAGTTCAATTTGTGAACAGTGTGGGAAGTGAAGTGTGAGAAATGCAC
TGCTCCCAGGACCTACCATCCTGTTTGGCCTGTAACCGCAGTGCCTTTGCTCTGCTGA
GAGCATGGTGAATATGGAACCTGCATGTGCTTAGTCAAGGGCATCTTCTACCACTGCTC
CAATGACGACGAAGGGGATTCCTATTCAGATAATCCTTGCTCCTGTTTACAATCACACTG
CTGCTCTAGATACCTGTGTATGGGAGCCATGTCTTTATTTTACCTTGCTTACTCTGTTA
TCCTCTGCTAAAGGATGCCTGAAGCTGTGCAGGAGGTGTATGACTGGATCCATCGCCC
AGGGTCAGAGTGAAGAACTCCAACACTGTCTATTGTAAGCTGGAGAGCTGCCCTCCC
GGGTCAGGGTAAACCATCATGATTTTTGGAGGTGGGTTGACTCTGAACTTTTAGCTT
TCAAGTTGTGGCTGTTTTTGTTTTTGTTTTTGTTTTTGTTTTTTCTTAGAATTTTCCCT
GTTTCCCACCTTCTTCCCTGTTGCCAAGGTCTAACTCATGGATTTTTCTTTTCTTCTC
ATGGATGATCTTCAGCAAGAGTGGACTGGGAAGCTGCACCTGGCTCCCCTTTCAACAAG
AGCCTCTGCCATCCACTTGAGGGTATTGAGAGCCAGTGGGCTTTTGTGTAGCCTTTTTGT
TCTGCAAGCAACTTTCTAAAGTTGTGTACATGAACATACACCCACATCCAGACTACAGTG
ATTTAGAGTTGTTTTGATTGGGTACCGTGGGAGCAGGAAATTGGTTTTTTAAAAAGCAA
CTGTTTAAATTGCTTAAATAAGCTATGTATTAATCTGTCTCCAGTTAGGGCTATCTTCT
AGCATAGGCCCTTAAGTAGCATGGGGATATATTTTTGCTATAACGTAATAATTTTCC
TTTAACCACTGCCTCTCCTTCTTCTCCTTCAAGGTTCTTCCCCTCAGTTTTGTTGT
TGCTTACTCTGGAGATGCCAAGTGTATTTTTCTTTCTATGTAATTTTAGATTCGCCTT
ACAATGTAATCTTACATTGGAGATAATATTGGTTGGACCTTGCCCATCTTCACTCTAG
CCTTCGATTTTGTGAAGGACTCAGCCACCTTCTTCTTCAACCCATGCTTCTCACCAAAT
TTTTGTTGTCATTGAGGGCACTTGGATAACTCAAGTTGATATTTATAGCTGATCAATCTA
TATGTGCACAGAACTATGCTGCCTAAAGTGATCTTGGCTCCTAATGGTCTTTTGGCC
CCTTGGATAGTTAACAGCTGAGTAATCTAATCTCTTCTGTGTTTTCTTGCCTTAACCA
CAAATGTGGTGTCTTTTTGTATATTTTATGTATAAATCACAAAGTTGAATCTGACTATT
TTTAAGACAAAAGTCTGTAAAACCTTTTTTATTGTAAGAATATTTATTATGCGAATCTCT
ATTATTTTATGGTATTTATTGCAAAAGACTGTTGAAATGACTCATGTTTGAATATAACA
AAATATCAATACTTAACGGAAAATAAGGTGACACGAAGAAAGTACATATGTTAACTATAA
TGCAGAAAATATATTAATTAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAA
AAA

Restriction Sites: Please inquire

ACCN: NM_005841

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_005841.1</u> , <u>NP_005832.1</u>
RefSeq Size:	2612 bp
RefSeq ORF:	960 bp
Locus ID:	10252
UniProt ID:	<u>O43609</u>
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>