

Product datasheet for SC307932

Sprouty 1 (SPRY1) (NM_199327) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sprouty 1 (SPRY1) (NM_199327) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SPRY1 |
| Synonyms: | hSPRY1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC307932 representing NM_199327. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCCCCAAATCAACATGGCAGTGGCAGTTCGTTAGTTGTGATCCAGCAGCCTTCTTTGGATAGC
CGTCAGAGATTAGACTATGAGAGAGAGATTGAGCCTACTGCTATTTTGTCTTAGACCAGATCAAGGCC
ATAAGAGGCAGCAATGAATACACAGAAGGGCCTTCGGTGGTGAAAAGACCTGCTCCTCGGACAGCACCA
AGACAAGAAAAGCATGAAAGGACTCATGAAATCATACCAATTAATGTGAATAATAACTACGAGCACAGA
CACACAAGCCACCTGGGACATGCAGTACTCCCAAGTAATGCCAGGGGCCCATTTTGTAGCAGATCAACC
AGCACTGGAAGTGCAGCCAGCTCTGGGAGCAACAGCAGTGCCTCTCTGAACAGGGACTGTTAGGAAGG
TCACCACCAACCAGACCAGTCCCTGGTCATAGGTCTGAAAGGGCAATCCGGACCCAGCCCAAGCAACTG
ATTGTGGATGACTTGAAGGGTTCCTTGAAGAGGACCTGCACAGCACAAAGTTTCAATTTGTGAACAGTGT
GGGAAGTGCAAGTGTGGAGAATGCACTGCTCCAGGACCTACCATCCTGTTTGGCCTGTAACCGGCAG
TGCTTTGCTCTGCTGAGAGCATGGTGGAAATGGAACCTGCATGTGCTTAGTCAAGGGCATCTTCTAC
CACTGCTCCAATGACGACGAAGGGGATTCCATTCAGATAATCCTTGCTCCTGTTCAAAATCACACTGC
TGCTCTAGATACCTGTGTATGGGAGCCATGTCTTTATTTTACCTTGCTTACTCTGTTATCCTCCTGCT
AAAGGATGCCTGAAGCTGTGCAGGAGGTGTTATGACTGGATCCATCGCCAGGGTGCAGATGTAAGAAT
TCCAACACTGTCTATTGTAAGCTGGAGAGCTGCCCTCCCGGGTTCAGGGTAAACCATCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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| Restriction Sites: | Sgfl-Mlul |
| Plasmid Map: | <input type="checkbox"/> |
| ACCN: | NM_199327 |



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| | |
|-------------------------------|---|
| 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). |
| 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_199327.2</u> |
| RefSeq Size: | 2380 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 |
| 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 (2) lacks an exon in the 5'UTR, compared to variant 1. Variants 1-4 encode the same protein. |