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# Product datasheet for SC209982

## SPRY2 (NM_005842) Human 3' UTR Clone

### Product data:

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| **Product Type:** | 3' UTR Clones |
| **Product Name:** | SPRY2 (NM_005842) Human 3' UTR Clone |
| **Symbol:** | SPRY2 |
| **Synonyms:** | hSPRY2; IGAN3 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_005842 |
| **Insert Size:** | 812 bp |
| **Insert Sequence:** | >SC209982 3'UTR clone of NM_005842<br>The sequence shown below is from the reference sequence of NM_005842. The complete sequence of this clone may contain minor differences, such as SNPs.<br>Blue=Stop Codon Red=Cloning site<br><br>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG<br>TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br>CCCCCTAGGAACTTTGAAAAACCAACATAGCATCATTAATCAGGAATATTACAGTAATGAGGATTTTTT<br>CTTTCTTTTTTTAATACACATATGCAACCAACTAAACAGTTATAATCTTGGCACTGTTAATAGAAAGGT<br>GGGATAGTCTTTGCTGTTTGCGGTGAAATGCTTTTTGTCCATGTGCCGTTTTAACTGATATGCTTGTTA<br>GAACTCAGCTAATGGAGCTCAAAGTATGAGATACAGAACTTGGTGACCCATGTATTGCATAAGCTAAAG<br>CAACACAGACACTCCTAGGCAAAGTTTTTGTTTGTGAATAGTACTTGCAAAACTTGTAAATTAGCAGAT<br>GACTTTTTTCCATTGTTTTCTCCAGAGAGAATGTGCTATATTTTTGTATATACAATAATATTTGCAACT<br>GTGAAAAACAAGTTGTGCCATACTACATGGCACAGACACAAAATATTATACTAATATGTTGTACATTCG<br>GAAGAATGTGAATCAATCAGTATGTTTTTAGATTGTATTTTGCCTTACAGAAAGCCTTTATTGTAAGAC<br>TCTGATTTCCCTTTGGACTTCATGTATATTGTACAGTTACAGTAAAATTCAACCTTTATTTTCTAATTT<br>TTTCAACATATTGTTTAGTGTAAAGAATATTTATTTGAAGTTTTATTATTTTATAAAAAAGAATATTTA<br>TTTTAAGAGGCATCTTACAAATTTTGCCCCTTTTATGAGGATGTGATAGTTGCTGCAAATGAGGGGTTA<br>CAGATGCATATGTCCAATATAAAATAGAAAATATATTAACGTTTGAAATTAAA<br>ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br>CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG |
| **Restriction Sites:** | SgfI-MluI |

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| **OTI Disclaimer:** | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs). |
| **Components:** | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |
| **RefSeq:** | NM_005842.4 |
| **Summary:** | This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is required for growth factor stimulated translocation of the protein to membrane ruffles. In primary dermal endothelial cells this gene is transiently upregulated in response to fibroblast growth factor two. This protein is indirectly involved in the non-cell autonomous inhibitory effect on fibroblast growth factor two signaling. The protein interacts with Cas-Br-M (murine) ectropic retroviral transforming sequence, and can function as a bimodal regulator of epidermal growth factor receptor/mitogen-activated protein kinase signaling. This protein may play a role in alveoli branching during lung development as shown by a similar mouse protein. [provided by RefSeq, Jul 2008] |
| **Locus ID:** | 10253 |
| **MW:** | 32.2 |