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Product datasheet for SC103125

SPRYD3 (NM_032840) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPRYD3 (NM_032840) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPRYD3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC103125 sequence for NM_032840 edited (data generated by NextGen Sequencing)

ATGAGGAGGACGTGGCGGCCCCGGTTTGTTCTCATGAACAAGATGGATGACCTCAACCTG
CACTACCGGTTTCTGAATTGGCGCCGGCGGATCCGGGAGATTCGAGAGGTCCGAGCTTTC
CGATATCAGGAGAGGTTCAAACATATCCTTGTAGATGGAGATACTTTAAGTTATCATGGA
AACTCTGGTGAAGTTGGCTGCTACGTGGCTTCTCGACCCCTGACCAAGGACAGCAATTAT
TTTGAGGTGTCTATTGTGGACAGTGGAGTCCGGGGCACCATTGCTGTGGGGCTGGTCCCT
CAGTACTACAGCTTGGATCACCAGCCTGGCTGGTTGCCTGACTCTGTAGCCTACCATGCT
GATGATGGCAAGCTGTACAATGGCCGAGCCAAGGGCCGCCAGTTTGGGTCAAAGTGCAAC
TCCGGGGACCGGATTGGCTGTGGCATTGAGCCTGTGTCCTTTGATGTGCAGACCGCCCAG
ATCTTCTTCACCAAAAATGGGAAGCGGGTGGGCTCTACCATCATGCCCATGTCCCCAGAT
GGACTGTTCCCAGCAGTGGGCATGCACTCCCTGGGTGAGGAGGTGCGGCTGCACCTCAAC
GCTGAGCTGGGCCGTGAGGACGACAGCGTCATGATGGTGGACAGTTACGAGGATGAATGG
GGCCGGCTACATGATGTCAGAGTCTGTGGGACTCTGCTGGAGTACTTAGGGAAGGGCAAA
AGCATCGTGGATGTGGGGCTGGCCCAGGCCCGGCACCCACTCAGCACCCGCAGCCACTAC
TTCGAGGTGGAGATCGTGGACCCTGGAGAGAAATGCTACATCGCCCTGGGGCTGGCACGG
AAGGACTATCCCAAGAACAGGCACCCTGGCTGGAGCAGAGGGTCTGTGGCTTATCATGCA
GACGATGGGAAGATCTTCCATGGCAGTGGTGTGGGGGACCCCTTTGGGCCACGCTGTTAC
AAAGGGGACATCATGGGCTGTGGAATCATGTTCCCCCGGGACTACATTTTGGACAGTGAG
GGGGACAGTGATGACAGTTGTGACACAGTGATCCTGTCTCCGACTGCCCGGGCCGTCCGG
AACGTGCGGAATGTCATGTACCTGCACCAGGAAGGGGAAGAGGAAGAGGAGGAAGAGGAA
GAGGAAGAGGATGGGGAAGAGATAGAGCCGGAGCATGAGGGCAGGAAGGTGGTGGTTTTC
TTCACTCGGAATGGCAAGATCATTGGGAAGAAGGATGCTGTTGTTCCTTCTGGAGGCTTC
TTCCCCACCATTGGAATGCTGAGCTGCGGGGAGAAAGTCAAAGTAGATCTGCACCCCTTG
AGTGGCTAG

Clone variation with respect to NM_032840.2
13 c=>t

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032840 unedited
GGATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGGNAAAAGCTTGTGT
GCGGAGCTGAGAGGCCTATGGATGAGGAGGACGTGGCGGCCCCGGTTTGTTCTCATGAAC
AAGATGGATGACCTCAACCTGCACTACCGGTTTCTGAATTGGCGCCGGCGGATCCGGGAG
ATTCGAGAGGTCCGAGCTTTCCGATATCAGGAGAGGTTCAAACATATCCTTGTAGATGGA
GATACTTTAAGTTATCATGGAAACTCTGGTGAAGTTGGCTGCTACGTGGCTTCTCGACCC
CTGACCAAGGACAGCAATTATTTTGAGGTGTCTATTGTGGACAGTGGAGTCCGGGGCACC
ATTGCTGTGGGGCTGGTCCCTCAGTACTACAGCTTGGATCACCAGCCTGGCTGGTTGCCT
GACTCTGTAGCCTACCATGCTGATGATGGCAAGCTGTACAATGGCCGAGCCAAGGGCCGC
CAGTTTGGGTCAAAGTGCAACTCCGGGGACCGGATTGGCTGTGGCATTGAGCCTGTGTCC
TTTGATGTGCAGACCGCCCAGATCTTCTTCACCAAAAATGGGAAGCGGGTGGGCTCTACC
ATCATGCCCATGTCCCCAGATGGACTGTTCCCAGCAGTGGGCATGCACTCCCTGNGTGAG
GAGGTGCGGCTGCACCTCAACGCTGAGCTGGGCCGTGAGGACGACAGCGTCATGATGGTG
GACAGCTACGAGGATGAATGGNGCCGGCTACATGATGTCAGAGTCTGTGGGACTCTGCTG
GAGTACTTAGGGAAGGGCACAAGCATCGTGGATGGGGGGCTGGNCCCAGGCCCGGCACCA
CTCAGCACCGCAGCCCTACTCGAGGTGAAGNACGTGGACCCTGGAGAAAATGCTACTCGC
CTGGGGCTGCACCGGNAGACTTTCCAAGACAGCACCCTGCTGAACAAAGGNGTTGTGGCT
CACATGCCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032840 unedited
GCTATGGACCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAATACGGAA
ACTCCATCTTTATCGGCTGTATAAACATCTCTGGTCTGTACATACATTTCATACATCGTA
GGGTGGGAAGCGAGGGCCAAAGGGAGGCCCAGCAGCACAACAGCTCACCCGCTTTCCCTA
CAGCCCTACCCGCTCTGTGCAAACCAAGGCCAACAGCTCCTGCTGCCTCTTCCTCCCTGG
AAAAGTCACTGTTACGGGGAGGGGGCCAGGGGTTGAAGGATTAGAAGGAGATAGAGGGCT
TGGTGGGGAGGACACATGTAAGTGCTAGAATCAAACACTGAAGCGAAACAGGCAACTGGC
ACAAGCAGCAAGCTGAGGCATGGGACGGGGCAGGAAAAGGGGAGGGAGGGGCCACGCTGC
CCCTCTGGGCTTGCTCAGCTAAGGCTCTGGGGTCTTGCCCTCACGCTGGCAGGGAGACAG
GCCCCAGAGCCTCAGCCCCAATACCCGGGAGCTAGGGACATGGGTGGCACTGGTAAAGAA
AGGATGGAAGGGGAGAAAGGAGTGAAGGCCCTAGTGCCCTGTCACCTCACAGCCCCTTTC
TCTTAACATGCCACAGGCACCCCCCCTTGCGGCCCCAGGCATGGGGCCCCAGAGACCCTA
AACCCTCCGGGTGCCCCGACCAGGTGGGGGGGGGGAGCCGCTCCCAAGGGAAGATGGCGA
GCCCTAAGCATTCCCCCGGGGCCGCACGCCTTCAAGGCCCAAACACGCCCCCAAGACGGC
CCCCGGCCCCGTCCAGGGCCCCCCACTCCCTCCGGGCCCCCCCCGCTCGAAAACACCCAA
AGAGGGTCCCGGGGAACTCCGCGGCCCTCACTGCCCGGGCTCCCCCACTCTCGCCGCCAG
CCTTTTTCCCGCACCGAGCGGCGCAATGCGTTACCCCGTCGCCCCGCCCGCCCATTCTGC
GAAG

Restriction Sites: NotI-NotI

ACCN: NM_032840

Insert Size: 2500 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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_032840.1, NP_116229.1
RefSeq Size:	2568 bp
RefSeq ORF:	1329 bp
Locus ID:	84926
UniProt ID:	Q8NCJ5
Cytogenetics:	12q13.13
Domains:	SPRY
Protein Families:	Druggable Genome