

Product datasheet for MC210710

Spindoc (NM_001167831) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spindoc (NM_001167831) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spindoc
Synonyms: 1700105P06Rik; AI846148; SPIN-DOC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210710 representing NM_001167831
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCTGAAAGCCAAGGGCGCCGCGCTCTGGATTGCTTCGAGGTGACGCTCAAGTGTGAGGAAGGGG
ATGATGACGACGAGGCCGTGGTGGTGGCCGTGATCCCAGCCGAGCCGATGCTCCGAGTAACCCAACA
GGAAAAGACGCCCCACCTCGGCCTAACCTGCTGGAAGCAGGTGTGAAGGCTGTGAGGAGCTCAAGCAG
CAAGTGTGATGGGAGCAGGAGTTCCTGGTGGGGAACAGCCAGGAGGCAGTGGACGGGCGCTGTGCATGG
TGTGTGGGGCTGAGATCCGGTCCCCATCAGCAGACACTGCTCGCCACACATCCTGGAGCAGCATCTCA
CACCCCTGGACCTGAGCCCTCTGAGAAGAGCAACATCTTAGAAGCCTGGAGTGAAGGGGTTGCCCTTCTG
CAAGACATCCAAGCTGACCAGCCATCCCTGCCAGCCTAGAGTCAGGCCAGGATGGCCAGCCAGACCCCA
TCTCCAACCCGGATCCTGTGAGGATGCCAGCAGAGATAGTGGTCTCTTGGATTCCGAGGACAACCCATC
CCTTCTAAGAGGCTCCGGCCAGAGGACTCCGCCCTTGAGCTGCCGTTACCCCTGTCATAGAGCAA
GGGAATAAAAAGCCCGTGGTCCAGAGATGAAAAGAGTCCCCTGAGAATGAACCTGCTAGAAAAGAGAA
GCAGGCATATGACCAAAATCTTGACCCAGCCAGACCCCGTCTCCTGAGTACCCACAGAGACATT
CGCAGCACCAGCTGAAGTCCGACACTTCACTGATGGCAGCTTCCCTCCTGGCTTGTCTCCAGCTCTTC
TCCCACTCAGCTCAGGACACTGACTGTAAGGACTTCTTAAGGACAGCAGAGCAGCAGAGGGCCTGC
CCAGCCACAAAACCCCTCTTCAGGTGAGCCCTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001167831
Insert Size: 948 bp



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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).
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_001167831.1 , NP_001161303.1
RefSeq Size:	1594 bp
RefSeq ORF:	948 bp
Locus ID:	68229
UniProt ID:	Q05AH6
Cytogenetics:	19 A
Gene Summary:	<p>Negatively regulates the transcriptional activator activity of SPIN1 via inhibition of its histone methyl-binding ability. Represses the expression of a number of SPIN1-regulated genes and the SPIN1-mediated activation of the Wnt signaling pathway (PubMed:29061846). Can also inhibit the histone methyl-binding abilities of SPIN2A, SPIN2B, SPIN3 and SPIN4 (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>