

Product datasheet for **MG214873**

Spindoc (NM_001167831) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Spindoc
Synonyms:	1700105P06Rik; A1846148; SPIN-DOC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214873 representing NM_001167831
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTGAAAGCCAAGGGCGCCGGCTCTGGATTGCTTCGAGGTGACGCTCAAGTGTGAGGAAGGGG
ATGATGACGACGAGGCCGTGGTGGCCGTGATCCCGCGCCCGAGCCGATGCTCCGAGTAACCAACA
GGAAAAGACGCCGCCACCTCGGCCTAACCTGCTGGAAGCAGGTGTTGAAGGCTGTGAGGAGCTCAAGCAG
CAAGTGTGATGGGAGCAGGAGTTCCTGGTGGGGAACAGCCCAGGAGGCAGTGGACGGGCGCTGTGCATGG
TGTGTGGGGCTGAGATCCGGTCCCATCAGCAGACACTGCTCGCGCACACATCCTGGAGCAGCATCCTCA
CACCTGGACCTGAGCCCTCTGAGAAGAGCAACATCTAGAAGCCTGGAGTGAAGGGTTGCCCTTCTG
CAAGACATCCAAGCTGACCAGCCATCCCTGCCAGCCTAGAGTCAGGCCAGGATGGCCAGCCAGACCCCA
TCTCCAACCCGGATCCTGTGAGGATGCCAGCAGAGATAGTGGTCTCTTGGATCCGAGGACAACCCATC
CCTTCCCTAAGAGGCTCCGGCCAGAGGACTCCGCCCTTGAGTCCCGTTACCCCTGTATAGAGCAA
GGGAATAAAAAGCCCCGTGGTCCAGAGATGGAAAGAGTCCCCTGAGAATGAACCTGCTAGAAAAGAAGAA
GCAGGCATATGACCAAAATCTTGGACCTGACCAGACCCCCCGTCTCCTGAGTCACCCACAGAGACATT
CGCAGCACCAGTGAAGTCCGACACTTCACTGATGGCAGCTTCCCTCCTGGCTTCGTCTCCAGCTCTTC
TCCCACACTCAGCTCAGGACCACTGACTGTAAGGACTTTCTAAGGACAGCAGAGCAGCAGAGGGCCCTGC
CCCAGCCACAAAACCCCTCTTCAGGTGAGCCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214873 representing NM_001167831
Red=Cloning site Green=Tags(s)

MALKAKGAAALDCFEVTLKCEEEDDDDEAVVVAVIPRPEPMLRVTQEQKTPPPRPNLLEAGVEGCEELKQ
 QVSWEQEFVLVNSPGGSGRALCMVCGAEIRSPSADTARAHILEQHPHTLDLSPSEKSNILEAWSEGVALL
 QDIQADQPSLPSLESGDQDPDISNPDVVRMPAEIVVLLDSEDNPSLPKRLRPRGLRPLELPVTPVIEQ
 GNKKPRGQRWKESPENEPARKKRSRHMTKILDPPDPSPESPTETFAAPAEVRHFTDGSFPPGFVLQLF
 SHTQLRTTDCCKDSSKDSRAAEGLPQPQNPSSGEPC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001167831

ORF Size: 945 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001167831.1](#), [NP_001161303.1](#)

RefSeq Size: 1594 bp

RefSeq ORF: 948 bp

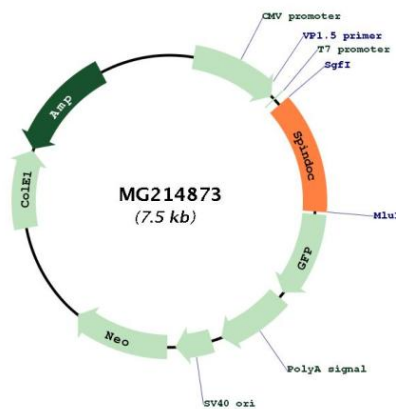
Locus ID: 68229

UniProt ID: [Q05AH6](#)

Cytogenetics: 19 A

Gene Summary: 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]

Product images:



Circular map for MG214873