

Product datasheet for RC236136

SPIN2B (NM_001282462) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPIN2B (NM_001282462) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SPIN2B
Synonyms: dj323P24.2; SPIN-2; SPIN-2B; SPIN2_duplicate; TDRD26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC236136 representing NM_001282462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACCCCAACGCACAGGAAGCCGAAGGGCAACAAACCAGGGCAGCTGCAGGACGGGCCACTGGGT
 CTGCAACATGACAAAGAAAAAGTCTCCCAAAGAAGCAGAGAGGCCGACCTTCATCCCAGCCCCGCAG
 GAACATCGTGGGCTGCAGAATTTCTCATGGATGGAAGGAAGGAGATGAGCCCATCACGCAGTGGAAGGA
 ACCGTTCTGGATCAGCTTCTAGATGATTATAAGGAAGGTGACCTCCGCATCATGCCAGAATCCAGTGAGT
 CTCCTCAACAGAGAGGGAGCCAGGAGGAGTTGTAGATGGCCTAATAGGTAAGCATGTGGAATATACCAA
 AGAAGATGGCTCCAAAAGGATCGGCATGGTCATTACCAAGTGAAGCCAAACCCTCTGTGTATTTTCATC
 AAGTTTGATGATGATTTCCATATCTATGTCTACGATTTGGTGAAAAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236136 representing NM_001282462
 Red=Cloning site Green=Tags(s)

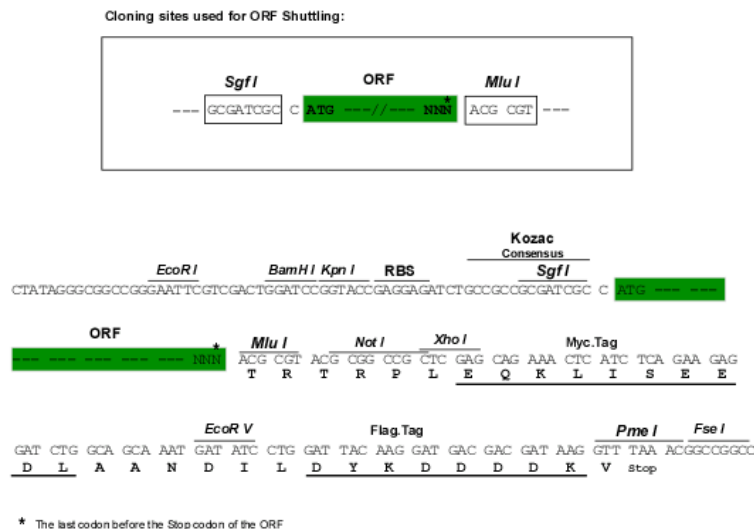
MKTPNAQEAEGQQTAAAGRATGSANMTKKKVSQKKQGRPSQPRRNIVGCRISHGWKEGDEPITQWKG
 TVLDQLDDYKEGDLRIMPESSESPPTEREPPGVVDGLIGKHVEYTKEDGSKRIGMVIHQVEAKPSVYFI
 KFDDDFHIYVYDLVKKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001282462

ORF Size: 471 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_001282462.2](#)

RefSeq Size: 911 bp

RefSeq ORF: 474 bp

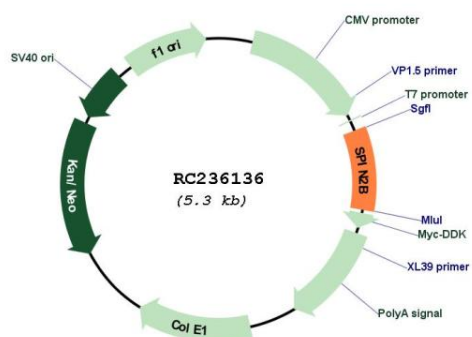
Locus ID: 474343

Cytogenetics: Xp11.21

MW: 18.1 kDa

Gene Summary: Involved in the regulation of cell cycle progression, this activity is related to the inhibition of apoptosis following the removal of essential growth factors (PubMed:12145692). Exhibits H3K4me3-binding activity (PubMed:29061846).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC236136