

Product datasheet for **RG213224**

SPIN2B (NM_001006683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPIN2B
Synonyms:	dJ323P24.2; SPIN-2; SPIN-2B; SPIN2_duplicate; TDRD26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213224 representing NM_001006683
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACCCCAACGCACAGGAAGCCGAAGGGCAACAAACCAGGGCAGCTGCAGGACGGGCCACTGGGT
CTGCAACATGACAAAGAAAAAGTCTCCCAAGAAGCAGAGAGGCCGACCTTCATCCAGCCCCGAG
GAACATCGTGGGCTGCAGAAATTTCTCATGGATGGAAGGAAGGAGATGAGCCATCACGCAGTGAAAGGA
ACCGTTCTGGATCAGGTGCCTATAATCCCTCTCTTTATCTGGTGAATATGATGGAATTGACTGTGTCT
ATGGACTGGAACCTCACAGAGATGAAAGGGTTTGTCTCTTAAATTCCTTCTGACAGGGTGGCATCATC
TCACATTAGTGATGCCAACCTTGCAATACCATAATTGGCAAAGCAGTGAACATATGTTTGAGGGAGAG
CATGGTTCTAAGGATGAATGGAGGGGATGGTCTTAGCTCAAGCACCTATCATGAAAGCCTGTTTTATA
TTACCTATGAGAAAGATCCTGTCTTGATCATGTACCAGCTTCTAGATGATTATAAGGAAGGTGACCTCCG
CATCATGCCAGAATCCAGTGAGTCTCTCCAACAGAGAGGGAGCCAGGAGGAGTTGTAGATGCCCTAATA
GGTAAGCATGTGGAATATACCAAGAAGATGGCTCCAAAGGATCGGCATGGTCATTACCAAGTGAAG
CCAAACCCTCTGTGATTTTCATCAAGTTTGATGATGATTTCCATATCTATGTCTACGATTTGGTAAAAA
GTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG213224 representing NM_001006683

Red=Cloning site Green=Tags(s)

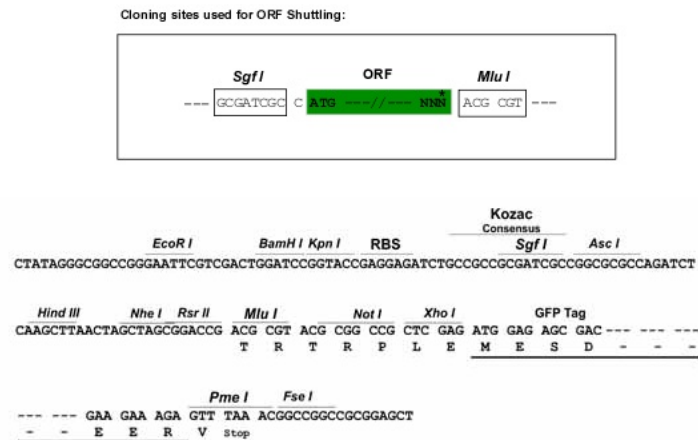
MKTPNAQEAEGQQTAAAGRATGSANMTKKKVSQKKQGRPSQPRRNVGCRISHGWKEGDEPITQWKG
TVLDQVPINPSLYLVKYDGDVYGLELHRDERVLSLKILSDRVASSHISDANLANTIIGKAVEHMFEGE
HGSKDEWRGMVLAQAPIMKAWFYITYEKDPVLYMYQLDDYKEGDLRIMPESSESPPTEREPPGVVDGLI
GKHVEYTKEDGSKRIGMVIHQVEAKPSVYFIKFDHFIYVYDLVKKS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001006683

ORF Size:

774 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_001006683.1](#), [NP_001006684.1](#)

RefSeq Size: 1216 bp

RefSeq ORF: 777 bp

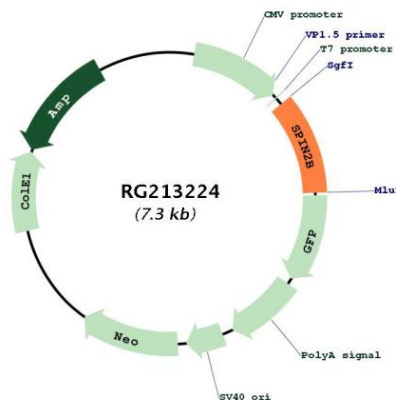
Locus ID: 474343

UniProt ID: [Q9BPZ2](#)

Cytogenetics: Xp11.21

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 RG213224