

## **Product datasheet for RG211814**

# SPAG11B (NM 058202) Human Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** SPAG11B (NM\_058202) Human Tagged ORF Clone

Tag: TurboGFP Symbol: SPAG11B

Synonyms: EDDM2B; EP2; EP2C; EP2D; HE2; HE2C; SPAG11; SPAG11A

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG211814 representing NM\_058202

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGGCAACGATTGCTCCCGTCCGTCACCAGCCTTCTCCTTGTGGCCCTGCTGTTTCCAGGATCGTCTC
AAGCCAGACATGTGAACCACTCAGCCACTGAGGCTCTCGGAGAACTCAGGGAAAGAGCCCCTGGGCAAGG
CACAAACGGGTTTCAGCTGCTACGCCACGCAGTGAAACGGGACCTCTTACCACCGCGCACCCCACCTTAC

CAAGGGACAGCCAGCACACACACGCTGTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211814 representing NM\_058202

Red=Cloning site Green=Tags(s)

 ${\tt MRQRLLPSVTSLLLVALLFPGSSQARHVNHSATEALGELRERAPGQGTNGFQLLRHAVKRDLLPPRTPPY}$ 

QGTGQQHRQRCG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



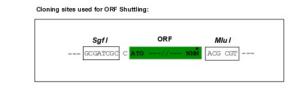
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

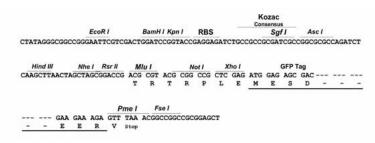
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

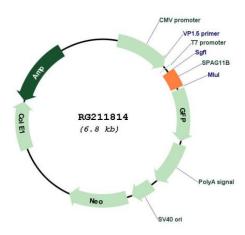


#### **Cloning Scheme:**





## Plasmid Map:



**ACCN:** NM\_058202

**ORF Size:** 246 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



## SPAG11B (NM\_058202) Human Tagged ORF Clone - RG211814

**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.

RefSeq: <u>NM 058202.2</u>, <u>NP 478109.1</u>

RefSeq Size: 677 bp
RefSeq ORF: 249 bp
Locus ID: 10407
UniProt ID: Q6PDA7
Cytogenetics: 8p23.1

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes several androgen-dependent, epididymis-specific secretory proteins. The

specific functions of these proteins have not been determined, but they are thought to be involved in sperm maturation. Some of the isoforms contain regions of similarity to beta-defensins, a family of antimicrobial peptides. The gene is located on chromosome 8p23 near the defensin gene cluster. Alternative splicing of this gene results in seven transcript variants encoding different isoforms. Two different N-terminal and five different C-terminal protein sequences are encoded by the splice variants. Two additional variants have been described, but their full length sequences have not been determined. [provided by RefSeq, Jul 2008]