

## Product datasheet for **RG215915**

### SPANXN1 (NM\_001009614) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** SPANXN1  
**Synonyms:** CT11.6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >RG215915 representing NM\_001009614  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAACAGCCCACTTCAAGCATCAATGGGGAGAAGAGGAAGAGCCCTGTGAATCCAACAATGAAAATG  
ATGAGATGCAGGAGACACAAACAGGGACTTAGCCCCGAACCGAGTTTGAAAAAGATGAAAACGTCAGA  
ATATTCAACAGTATTAGCGTTTGTACAGGAAAGCTAAGAAAATACATTCAAATCACTGGAGAATGAC  
CAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG215915 representing NM\_001009614  
Red=Cloning site Green=Tags(s)

MEQPTSSINGEKRKSPCESNNENDEMQETPNRDLAPEPSLKKMKTSEYSTVLAFCYRKAKKIHSNQLEND  
QS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



## Cloning Scheme:



**ACCN:** NM\_001009614

**ORF Size:** 216 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).

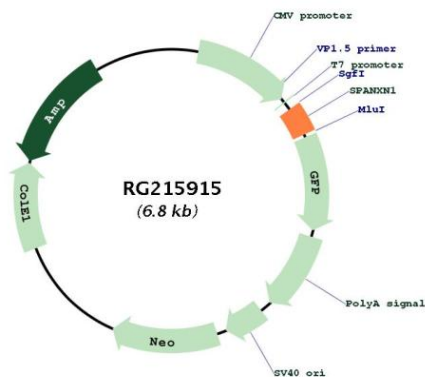
**Reconstitution Method:**

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.

|                      |                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Note:</b>         | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| <b>RefSeq:</b>       | <a href="#">NM_001009614.3</a>                                                                                           |
| <b>RefSeq Size:</b>  | 1276 bp                                                                                                                  |
| <b>RefSeq ORF:</b>   | 219 bp                                                                                                                   |
| <b>Locus ID:</b>     | 494118                                                                                                                   |
| <b>UniProt ID:</b>   | <a href="#">Q5VSR9</a>                                                                                                   |
| <b>Cytogenetics:</b> | Xq27.3                                                                                                                   |

**Gene Summary:** This gene represents one of several duplicated family members that are located on chromosome X. This gene family encodes proteins that play a role in spermiogenesis. These proteins represent a specific subgroup of cancer/testis-associated antigens, and they may be candidates for tumor vaccines. This family member belongs to a subgroup of related genes that are present in all primates and rats and mice, and thus, it represents one of the ancestral family members. [provided by RefSeq, May 2010]

## Product images:



Circular map for RG215915