

## Product datasheet for RC216287

### SPANXN4 (NM\_001009613) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SPANXN4 (NM\_001009613) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SPANXN4  
**Synonyms:** CT11.9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC216287 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAGCCAACCTCCAGCACCAACGAGAATAAAATGAAGAGCCCTGTGAATCTAACAAAAGAAAAG  
TTGACAAGAAGAAGAAGAATCTGCACAGAGCCTCAGCCCTGAACAGAGTTTGAAGAGACAGAAAAAGC  
AAAATATCCAACATTAGTGTCTTACTGCAGGAAGAATAAGAAAAGAAATCAAATCAACTGGAGAATAAC  
CAGCCTACAGAGAGCTCCACTGATCCAATCAAAGAGAAAGGAGACCTAGACATATCTGCAGGATCTCCAC  
AGGATGGTGGCAGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216287 protein sequence  
Red=Cloning site Green=Tags(s)  
MEEPTSSTNENKMKSPCESNKRKVDKKKKLNHRASAPEQSLKETEKAKYPTLVFYCRKNKKRNSNQLENN  
QPTESSTDPIKEKGDLDISAGSPQDGGQN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6468\\_a04.zip](https://cdn.origene.com/chromatograms/mk6468_a04.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001009613

**ORF Size:** 297 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.

**RefSeq:** [NM\\_001009613.3](#)

**RefSeq Size:** 431 bp

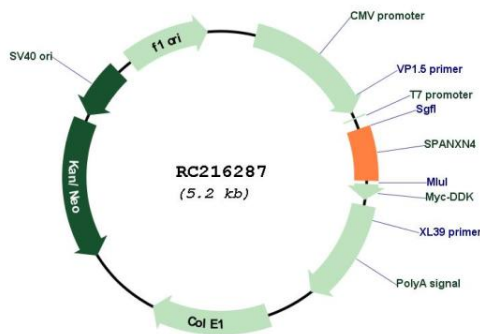
**RefSeq ORF:** 300 bp

**Locus ID:** 441525

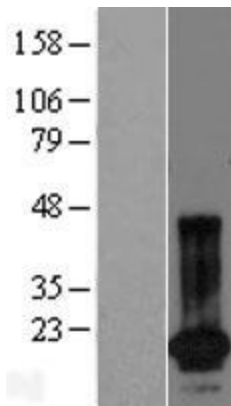
UniProt ID: [Q5MJ08](#)  
 Cytogenetics: Xq27.3  
 MW: 11.2 kDa

**Gene Summary:** This gene represents one of several duplicated family members that are located on the X chromosome. 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, Sep 2009]

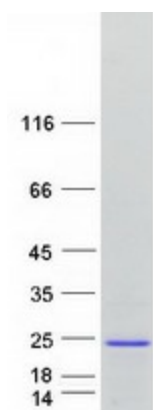
**Product images:**



Circular map for RC216287



Western blot validation of overexpression lysate (Cat# [LY422927]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216287 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SPANXN4 protein (Cat# [TP316287]). The protein was produced from HEK293T cells transfected with SPANXN4 cDNA clone (Cat# RC216287) using MegaTran 2.0 (Cat# [TT210002]).