

Product datasheet for RC223902

SPANX N2 (SPANXN2) (NM_001009615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SPANX N2
Synonyms:	CT11.7; SPANX-N2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC223902 ORF sequence, **codon optimized**.
Due to the complexity of NM_001009615, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAGCCAACAAGCAGCACCAACGGAGAGAAGCGGAAAAGTCCCTGCGAGAGTAATAATAAGAAAA
ATGACGAAATGCAAGAGGCTCCAAACAGAGTCCTTGCTCCAAAGCAGTCTCTCCAGAAGACGAAGACCAT
TGAATATCTCACAATTATCGTTTACTATTATCGCAAACATACGAAAATCAACTCAAACAGTTGGAGAAG
GATCAGAGCAGGGAGAAGTCCATCAATCCAGTTCAGGAGGAAGAAGACGAAGGCCTTGACTCTGCCGAAG
GGAGCTCTCAAGAAGACGAGGACCTGGACTCTAGCGAAGGCAGCAGCCAGGAGGACGAGGATCTCGATAG
TTCTGAGGGGTCTAGTCAAGAAGATGAAGATCTCGACTCAAGTGAAGGGTCTTCACAGGAAGACGAAGAC
CTCGATTCCAGCGAAGGCTCATCCCAAGAAGACGAAGACCTTGATCCCCCGAAGGATCTTCTCAGGAGG
ATGAAGATCTGGATTCTTCAGAAGGAAGTTCTCAAGAGGGCGGTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



Protein Sequence:

>RC223902 representing NM_001009615

Red=Cloning site Green=Tags(s)

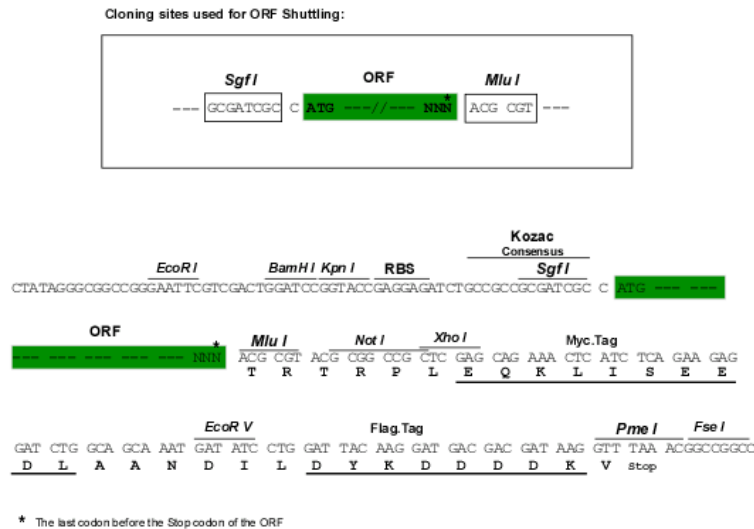
MEQPTSSSTNGEKRKSPCESNNKKNDQM EAPNRVLAPKQSLQKTKTIEYLTIIIVYYRKHTKINSNQLEK
DQSRENSINPVQEEDEGLDSAEGSSQDEDLDSSEGSSQDEDLDSSEGSSQDEDLDSSEGSSQDEDL
LDSSEGSSQDEDLDPPEGSSQDEDLDSSEGSSQEGGED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001009615

ORF Size:

540 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_001009615.1](#), [NM_001009615.2](#), [NP_001009615.1](#)

RefSeq Size: 543 bp

RefSeq ORF: 543 bp

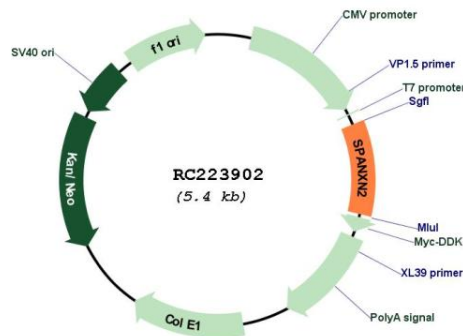
Locus ID: 494119

UniProt ID: [Q5MJ10](#)

Cytogenetics: Xq27.3

MW: 19.9 kDa

Product images:



Circular map for RC223902