

Product datasheet for MR227933

Spx (NM_001242345) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spx (NM_001242345) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spx
Synonyms: B230216G23Rik; Npq
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227933 representing NM_001242345
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGGGGCCAGCGTCTGGCAGTGACAGCCGTGGTCTTCTCCTGGTGCTGTCTGCGCTGGAAACT
 CCAGCGGTGTCCACAGCGACTCTCTGAGAAGAGGAAGTGGACTCCCCAAGCTATGCTCTATCTGAAGGG
 TGCACAGGGCCCGCTTCTCTCCGACCAGAGCCGTAGGAAGGAGCTTGCAGACCGGCCGCTCCAGAA
 AGACGAAACCCAGATCTTGAAGTGTGACTCTCCAGAGGCTGCAGCCCTGTTTCTGGCTTCCTTGAAA
 AATCAGAAAAAGGTGCAGATGAAGGAGGAATTTTGATAAAAGCGAACTCTTGAAGACAGACTCTCAA
 CTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227933 representing NM_001242345
 Red=Cloning site Green=Tags(s)

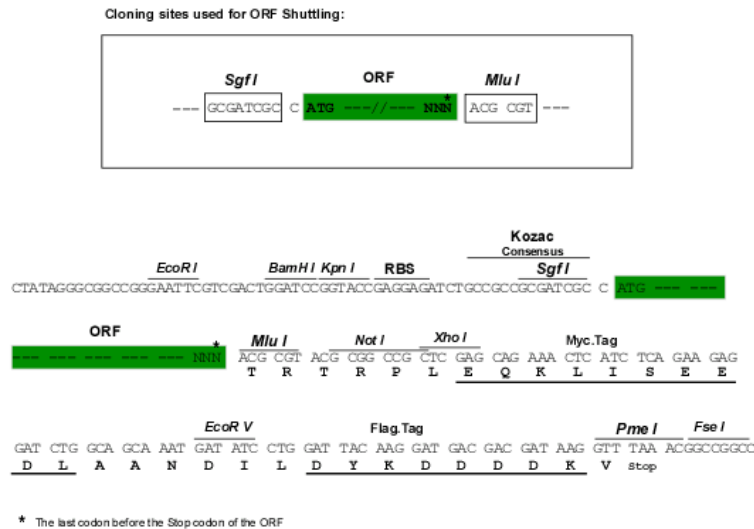
MKGPSVLAVTAVVLLLVLSELENSSGAPQRLSEKRNWTPQAMLYLKGAQGRRFLSDQSRRKELADRPPPE
 RRPDLLELLTPEAAALFLASLEKSQKGADEGNFDKSELLEDRLFNW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001242345

ORF Size: 354 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.

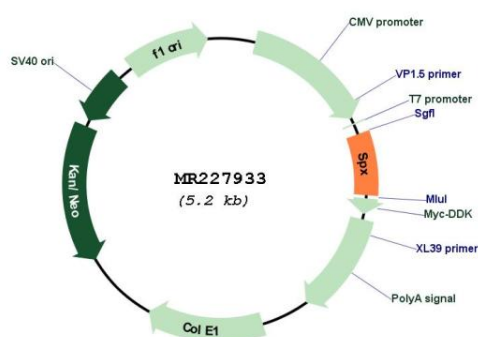
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001242345.1](#), [NP_001229274.1](#)

RefSeq Size: 1536 bp

RefSeq ORF:	357 bp
Locus ID:	319552
Cytogenetics:	6 G2
MW:	13.6 kDa
Gene Summary:	Plays a role as a central modulator of cardiovascular and renal function and nociception. Plays also a role in energy metabolism and storage. Inhibits adrenocortical cell proliferation with minor stimulation on corticosteroid release (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227933