

Product datasheet for **RR202925**

Lox (NM_017061) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lox (NM_017061) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lox
Synonyms: H-rev142; Rrg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202925 representing NM_017061
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGCGTTTCGCTGGACCGTCTTTCTGGGACAGCTGCAGTTCTGTCCCCTTCTCGCTGCGCCCGC
 AGGCCCGCGGAGCCTCCGCCGCCCGGTCCTGGCGCCAGACAATCCAATGGGAGAACAACGGCA
 GGTGTTCACTGTTGAGCCTGGGGCGCAGTACCAGCCTCAGCGACGCCGCGACTCCAGCGCCACTGCC
 CCGAGAGCCGACGCAACGCTGCAGCACAGCCACGACGCCATTCTGCTGCTGGTACAAACCGCACTG
 CCTCTGCCCGTGCAGGACTCCAAGCCATCTGGGGTCCGCCGCGGTCGTCGCCCGCCGACGCCGCA
 CTGTTTCCAAGTTGGTTTCTCGCCGTCGGGGCCGGCATGGAGCCTCAAGGCGCGCAGCAACCGGACT
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 TAAACCCAGCTACCTGGTGCCTGAATCAGACTACAGTAAACATGTCGTACGCTGTGAAATTCGCTACAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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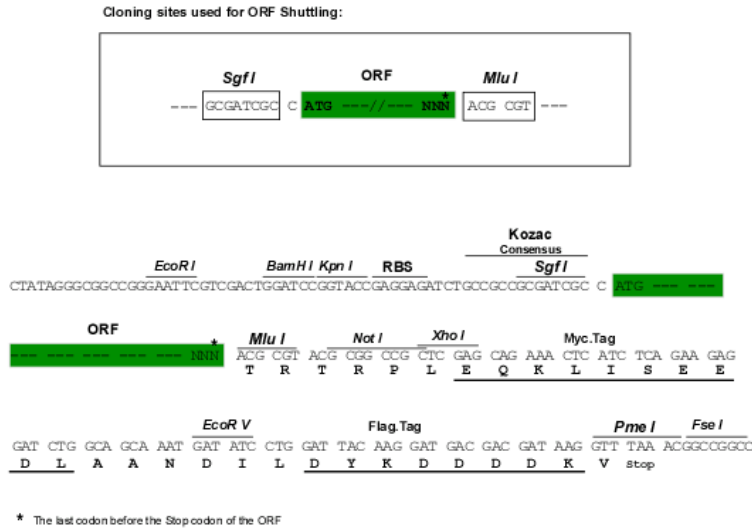
Protein Sequence: >RR202925 representing NM_017061
 Red=Cloning site Green=Tags(s)

MRF AWT V L F L G Q L Q F C P L L R C A P Q A P R E P P A A P G A W R Q T I Q W E N N G Q V F S L L S L G A Q Y Q P Q R R R D S S A T A
 P R A D G N A A A Q P R T P I L L L R D N R T A S A R A R T P S P S G V A A G R P R P A A R H W F Q V G F S P S G A G D G A S R R A A N R T
 A S P Q P Q L S N L R P P S H V D R M V G D D P Y N P Y K Y S D D N P Y Y N Y D T Y E R P R S G S R H R P G Y G T G Y F Q Y G L P D L V
 P D P Y Y I Q A S T Y V Q K M S M Y N L R C A A E E N C L A S S A Y R A D V R D Y D H R V L L R F P Q R V K N Q G T S D F L P S R P R Y S W
 E W H S C H Q H Y H S M D E F S H Y D L L D A S T Q R R V A E G H K A S F C L E D T S C D Y G Y H R R F A C T A H T Q G L S P G C Y D T Y A
 A D I D C Q W I D I T D V Q P G N Y I L K V S V N P S Y L V P E S D Y S N N V R C E I R Y T G H H A Y A S G C T I S P Y

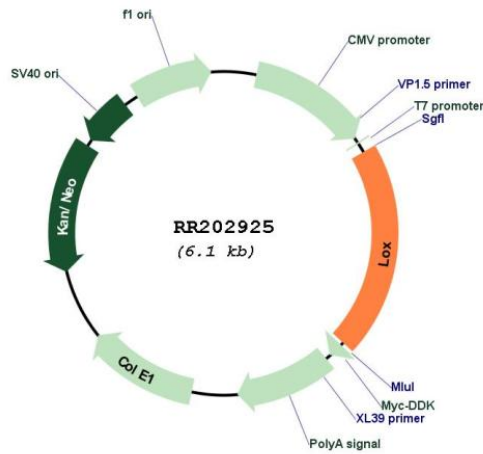
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017061

ORF Size:	1233 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:	<ol style="list-style-type: none">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_017061.2 , NP_058757.1
RefSeq Size:	1808 bp
RefSeq ORF:	1236 bp
Locus ID:	24914
UniProt ID:	P16636
Cytogenetics:	18q11
MW:	46.6 kDa
Gene Summary:	enzyme involved in the catalysis of the reaction required for cross-linking of collagen and elastin fibers [RGD, Feb 2006]