

Product datasheet for **RR214582**

Lax1 (NM_001017491) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lax1 (NM_001017491) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lax1
Synonyms:	MGC108827
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214582 representing NM_001017491 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTACACCAACCCAGCCCCCTCCAGAGATCACAAGAAGGAGCTCAGAGCCAAGCACTCAGCAGGGGACTC
 TTGGCAGCCTGGAAGGAGAGAAAGGCCACCTCCTCTCCCTGGTTTTGTGGTGCTCGTGACCATCTTCTCT
 GGTTGTCATAGTTACCTGTATCCTGTGGAGCCGGAAGAAACAGAGAAGCGGCGTGTTCCTTACCTCCAA
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 CAGCCCTGAGCCTGAGGTCCCCAAGCCAGTGGTTCCTTCAGAAAGCATAGAGCATCTGTTTCATGCCGTG
 GAGTACACAGTAGGCGTCTATGACAATGTTACAGTGGCCAGATGTGCGGGCCCTTGCCCTCCTCAGCAC
 ATCGCGTATGTGACGGAACCTCCAGAAATAACAGCATTCTTCCAAGGAGTCAAATGATTATGTCAATAT
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 GCGTGTGGGCTCCAGGACTCCAGGCTAGTAATTCAGTCAAGGAGGACGATTCTCAGAGTTCAAA
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 AGCCACTGAAACATCTGGTGAAGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR214582 representing NM_001017491
 Red=Cloning site Green=Tags(s)

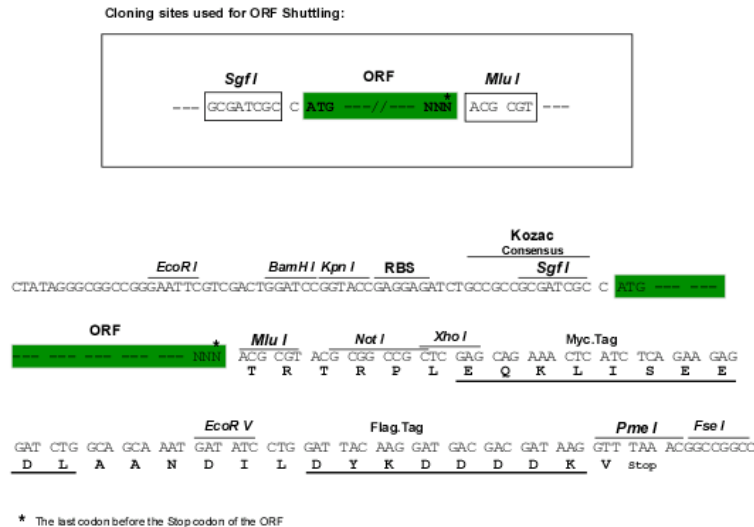
MYTTPAPPEITRRSSEPSTQQGLGSLEGEKGHLLFPGFVVLVTIFLVVIVTCILWSRKKQKKRRVPYLQ
 VTPSLALPPPQRAKNIYDFLPRQQTTEGRHQLSGFSTESLLSRASDSPEPEVPQASGSLQKHRASVHAV
 EYTVGVYDNGTVAQMCGPLASSAHRVCDGTSRNNSISSKESNDYVNIPTAEDTSETLTCTKSTPESHLGL
 PSGQRLEFAEGGHAGCGKATDRTGVWAPGLQGSNSLSEGDDSSQSSNDYVNMGTGLDLEDIQESRPRVAFQ
 CCRDYENVPPVVANGSQLQTVEEVTSSSTDGRGEPAQRTLPSVYHMAFRPSAWSEDGAMIPGEEASNGDSS
 DYENVLVPELEGKDWKQPGTWHPSDERTPSDQAGKFCEAVYPAGSLATETSGEEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001017491

ORF Size: 1218 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_001017491.1, NP_001017491.1

RefSeq Size: 2241 bp

RefSeq ORF: 1221 bp

Locus ID: 498232

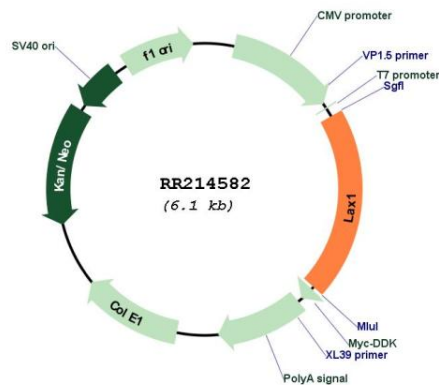
UniProt ID: Q5FVQ5

Cytogenetics: 13q13

MW: 43.9 kDa

Gene Summary: Negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells and BCR (B-cell antigen receptor)-mediated signaling in B-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR214582