

Product datasheet for **MR218781**

Lax1 (NM_001159649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lax1 (NM_001159649) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lax1
Synonyms:	A530029E09; E430019B13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218781 representing NM_001159649 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACAGCACCCCGGCCCTCCAGAGGTCACAAGAAGGAAGTCTCAGAGCCAGCACTCGGCAGGGGACTC
 TTGGCAGCCTGCAGGGAGAGAAAGGCCAGATCATCTTCCTGGCTTTGTCGTGCTCCTGACCATCATCT
 GGTCATCATAGCTGCCTGTATCCTGTGGAGCTGGAAGAAACAGAAGAAGCGGCCTGTTCTTACTTCCAA
 GTAGCTCCATCGTTGACTCTGCCTCCACCCAGACATCGAGCCAAAAATATTTATGACTTCTTGCCCGGC
 AGCAGACAGAGCTGGGGAGACATCAGTTGAGTGGTTTCAGTACCGAGAGCCTCCTCTCCAGAGCATCTGA
 CAGCCCTGAGCCTGAGGCCCCCAAGCCAATGGTTCCTTCAGATGCATAGAGTGTCCGTTCACTACTGTG
 GAGTATTCAGTAAACATCTATGACAATGGCACAGTGCCCCAGATGTGCAGGCACCTGGCCTCCTCAACAC
 ATCATGTCTGTGTGAGAACTTCCAGAAGTAACCCAGCATTTCTTCCAAGGAGTCAAATGATTATGTCAA
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 CAGTGCTGCAGAGATTATGAAAATGTCCCATGGGTAGATACCAATGAGAGCCAGCTGCCGACTCTGGAAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR218781 representing NM_001159649
 Red=Cloning site Green=Tags(s)

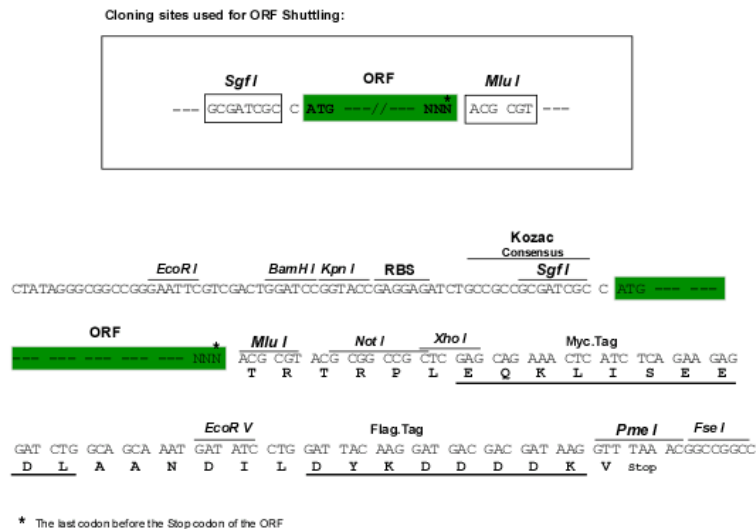
MYSTPAPPEVTRRNSEPSTRQGTGLGSLQGEKGQIIFPGFVLLTIILVIIAACILWSWKKQKKRPVPYFQ
 VAPSLTLPPPRHRAKNIYDFLPRQQTTEGRHQLSGFSTESLLSRASDSPEPEAPQANGSLQMRVSVHTV
 EYSVNIYDNGTVPQMRHLASSTHHVCVRTSRSNPSISSKESNDYVNIPTVEDTCETLRIESTPENHLG
 LPSALRLEFAEGGHAGCGNATDHDGFWAPGPKCSDSLSDGDDLSTNDYVNMGTGLDLENIQENRPRGAF
 QCCRDYENVPWVDNTEQLPTLEEASSTVDHREPVWRTLSSVYHMAFQPSAQSEDSAMVHREEQSSEDS
 SDYETVLVAELEGRDWKQPGTQHPSTDEGTPGDLAGKLCEVVYPAGSLATETSDEDA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159649

ORF Size: 1221 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_001159649.1, NP_001153121.1

RefSeq Size: 2371 bp

RefSeq ORF: 1224 bp

Locus ID: 240754

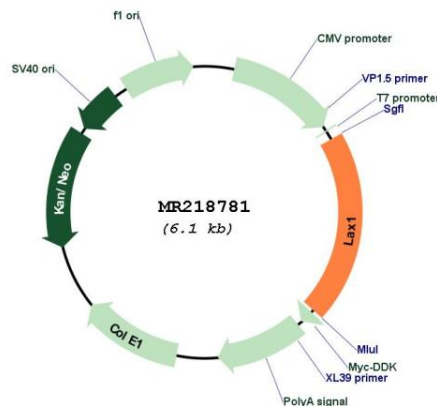
UniProt ID: Q8BHB3

Cytogenetics: 1 E4

MW: 45.3 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 MR218781