

Product datasheet for RC227719

LAX1 (NM_001136190) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAX1 (NM_001136190) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LAX1
Synonyms:	LAX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227719 representing NM_001136190 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGATCGCACTTCCTGCAGTGGGCATTAGCCACGTCCAGAAATAAGACCAGATCACCAACATCTTTT
 CCGGGTTTGGGGACTCCTCGCCATCCTCTGGTCGTTGCGGTTTTCTGCATCTTGTTGGAATTGGAATAA
 ACGGAAGAAGCGACAAGTTCCTTACCTCCGAGTTACCGTCATGCCCTTGCTGACTTTGCCACAAACCAGA
 CAAAGAGCCAAAAATATTTATGACATCTTGCCTTGCGCAGAGGAAGACCTGGGGAGACATGAGTCGAGGA
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 GAGACTGCGCAAGCATTTCTTACAGAGGATTGCGATGATTATGTCAATGTCCCCACAGCAGAAGAGATTGC
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 TTTACTGAGGAAAGAGATGAGGGCTGTGGAGATGCTGGTACTGCACCAAGTTTGTATTCTCCAGGAGCTG
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 AATGAGGACTCCAGTGACTATGAAATGTGCTAACTGCCAAGTTAGGAGGCAGGGACTCTGAGCAGGGGC
 CTGGCACTCAGCTCCTTCTGATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC227719 representing NM_001136190
 Red=Cloning site Green=Tags(s)

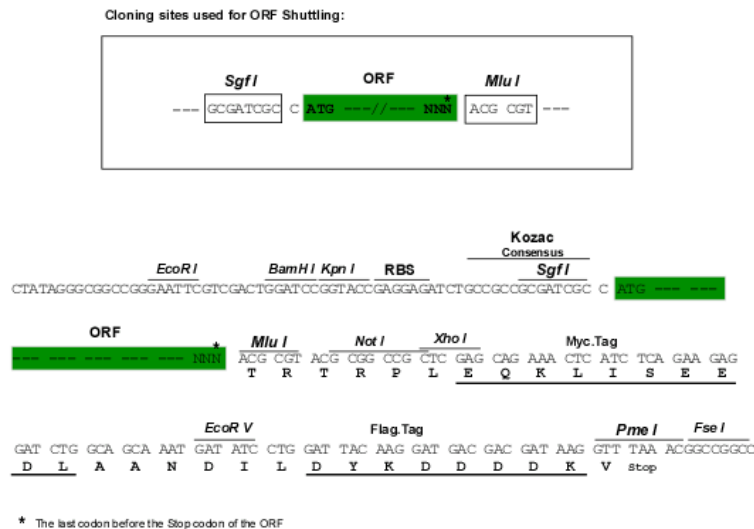
MRSNFLQWALATSRNKDQITNIFSGFAGLLAILLVAVFCILWNWNRKKRQVPYLRVTVMPLLTLPQTR
 QRAKNIYDILPWRQEDLGRHESRSMRIFSTESLLSRNSESPEHVPSQAGNAFQEHTAHIHATEYAVGIYD
 NAMVPQMCNLTSAHCINVASRDCAISSSDSHDYVNVPTAEETLASTKSPSRNLFVLPSTQKLE
 FTEERDEGCGDAGDCTSLYSPGAEDSDSLNNEGSSQISNDYVNMGLDLSAIQRQLWVAFQCCRDYEN
 VPAADPSGSQQAEKDVPSNIGHVEDKDDPGTHVQCVRKRTFLASGDYADFQPFQTSQSDSQMKHREEMS
 NEDSSDYENVLTAKLGGRDSEQGPGTQLLPDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8056_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001136190

ORF Size: 1146 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_001136190.2](#)

RefSeq ORF: 1149 bp

Locus ID: 54900

UniProt ID: [Q8IWW1](#)

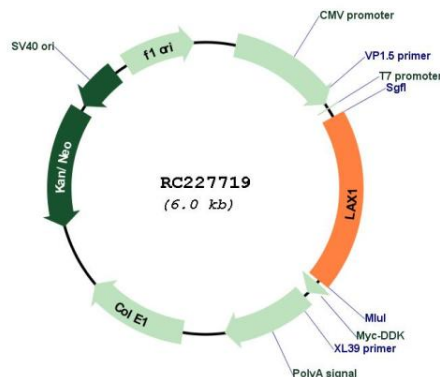
Cytogenetics: 1q32.1

Protein Families: Transmembrane

MW: 42.3 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 RC227719