

## Product datasheet for **RG227719**

### **LAX1 (NM\_001136190) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | LAX1 (NM_001136190) Human Tagged ORF Clone                                     |
| Tag:                      | TurboGFP                                                                       |
| Symbol:                   | LAX1                                                                           |
| Synonyms:                 | LAX                                                                            |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                         |
| ORF Nucleotide Sequence:  | >RG227719 representing NM_001136190<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGAGATCGCACTTCCTGCAGTGGGCATTAGCCACGTCCAGAAATAAGACCAGATCACCAACATCTTTT  
CCGGGTTTGGGACTCCTCGCCATCCTCTGGTCTTGGGTTTTCTGCATCTGTGGAATTGGAATAA  
ACGGAAGAAGCGACAAGTTCCTTACCTCCGAGTTACCGTCATGCCCTTGCTGACTTTGCCACAAACCAGA  
CAAAGAGCCAAAAATATTTATGACATCTTGCCTTGCGCAGAGGAAGACCTGGGGAGACATGAGTCGAGGA  
GTATGCGCATTTTCAGTACTGAGAGCCTCCTCTCCAGAAATTCTGAGAGCCGGAGCATGTGCCCTCCCA  
AGCAGGCAATGCCTTCCAGGAGCATACAGCCACATCCATGCCACAGAGTACGCGGTGGGTATCTATGAC  
AACGCCATGGTCCCCAGATGTGTGGGAACCTCACTCCCTCGGCACACTGCATCAATGTCAGAGCTTCCA  
GAGACTGCGCAAGCATTTCTTACAGAGATTGCGATGATTATGTCAATGTCCCCACAGCAGAAGAGATTGC  
TGAGACTCTAGCTTCTACCAAAAGCCCTTCCAGAAATCTTTGTTCTTCCAGTACCCAGAAGCTGGAG  
TTTACTGAGGAAAGAGATGAGGGCTGTGGAGATGCTGGTACTGCACCAAGTTTGTATTCTCCAGGAGCTG  
AGGACAGTGATTCAGCAATGGAGAAGGTTCTTCTCAGATCTCAAATGACTATGTCAACATGACAGG  
GTTGGATCTCAGTGCCATCCAGGAAAGGCAGCTCTGGGTGGCTTTTCAGTGCTGCAGAGACTATGAAAT  
GTTCCAGCAGCAGATCCAGTGGAAAGCCAGCAGGCTGAGAAAGATGTGCCATCCTCAAACATAGGTC  
ATGTCGAGGACAAGACAGATGATCCCGGGACCCATGTCCAATGTGTCAAAGGACATTCTTGCTTCAGG  
GGATTATGCAGACTTTACGCCATTACACAGAGTGAGGACAGTCAGATGAAACATAGAGAAGAGATGTCA  
AATGAGGACTCCAGTGACTATGAAATGTGCTAACTGCCAAGTTAGGAGGCAGGGACTCTGAGCAGGGGC  
CTGGCACTCAGCTCCTTCTGATGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227719 representing NM\_001136190  
 Red=Cloning site Green=Tags(s)

MRSHFLQWALATSRNKDQITNIFSGFAGLLAILLVAVFCILWNWNRKKRQVPYLRVTVMPLLTLPQTR  
 QRAKNIYDILPWRQEDLGRHESRSMRIFSTESLLSRNSESPEHVPSQAGNAFQEHTAHIEYAVGIYD  
 NAMVPMQCGNLTPSAHCINVRASTRDCASISSSDSHDYVNVPTAEETLASTKSPSRNLFVLPSTQKLE  
 FTEERDEGCGDAGDCTSLYSPGAEDSDSLNNEGSSQISNDYVNMGTGLDLIAIQRQLWVAFQCCRDYEN  
 VPAADPSGSQQQAEKDVPSNIGHVEDKTDGPGTHVQCVRKRTFLASGDYADFQPFQTSQSDSQMKHREEMS  
 NEDSSDYENVLTAKLGGRDSEQGPGTQLLPDE

TRTRPLE – GFP Tag – V

**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.

**RefSeq:** [NM\\_001136190.2](#)

**RefSeq Size:** 3027 bp

**RefSeq ORF:** 1149 bp

**Locus ID:** 54900

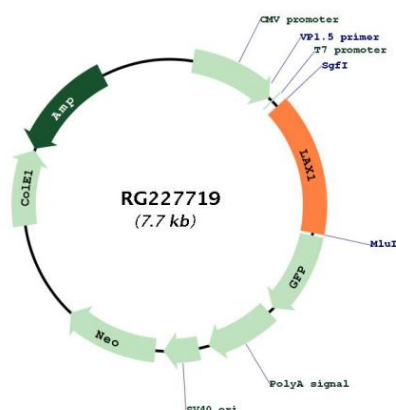
**UniProt ID:** [Q8IWW1](#)

**Cytogenetics:** 1q32.1

**Protein Families:** Transmembrane

**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 RG227719