

Product datasheet for **RG218856**

LAX1 (NM_017773) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAX1 (NM_017773) 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:	>RG218856 representing NM_017773 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGATGGTGTCACTCCAACCTTTTCGACAATCAGAGGGAGGACCTTGGAGTCCAGCACTCTGCATGTGA
 CTCCCCGAGCCTGGACAGAAATAAGACCAGATCACCAACATCTTTCCGGGTTTTCGGGACTCCTCGC
 CATCCTCTGGTCTGCGGTTTCTGCATCTTGTGGAATTGGAATAACGGAAGAAGCGACAAGTTCTCT
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 ACATCTTGCTTGGCGACAGGAAGACCTGGGAGACATGAGTCGAGGAGTATGCGCATTTTCAGTACTGA
 GAGCCTCCTCTCCAGAAATCTGAGAGCCCGGAGCATGTGCCCTCCCAAGCAGGCAATGCCCTCCAGGAG
 CATAAGCCACATCCATGCCACAGAGTACGCGGTGGGTATCTATGACAACGCCATGGTCCCCCAGATGT
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 AGAGGATTCGCATGATTATGTCAATGTCCCCACAGCAGAAGAGATTGCTGAGACTCTAGCTTCTACCAAA
 AGCCCTTCCAGAAATCTCTTGTCTTCCAGTACCCAGAAGCTGGAGTTTACTGAGGAAAGAGATGAGG
 GCTGTGGAGATGCTGGTACTGCACCAAGTTTGTATTCTCCAGGAGCTGAGGACAGTGATTCACTCAGCAA
 TGGAGAAGGTTCTTCTCAGATCTCAAATGACTATGTCAACATGACAGGGTTGGATCTCAGTGCCATCCAG
 GAAAGGCAGCTCTGGGTGGCTTTTCAGTGCTGCAGAGACTATGAAAATGTTCCAGCAGCAGATCCAGTG
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 TTCACACAGAGTGAGGACAGTCAGATGAAACATAGAGAAGAGATGTCAAATGAGGACTCCAGTGACTATG
 AAAATGTGCTAACTGCCAAGTTAGGAGGCAGGGACTCTGAGCAGGGGCCTGGCACTCAGCTCCTTCTGA
 TGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG218856 representing NM_017773
 Red=Cloning site Green=Tags(s)

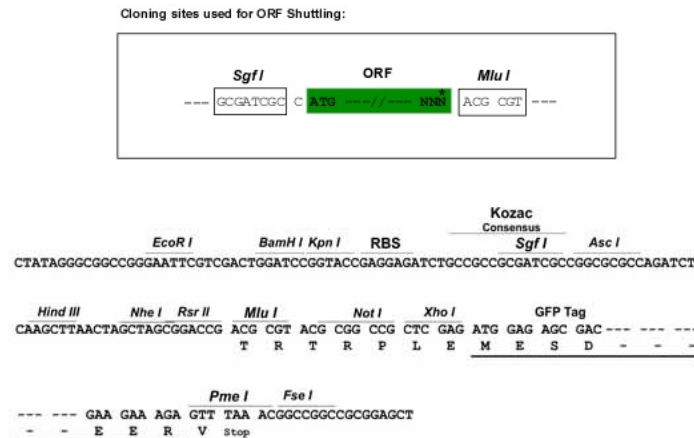
MDGVPTLSTIRGRTLESSTLHVTPRSLDRNKDQITNIFSGFAGLLAILLVAVFCILWNWNKRKKRQVP
 YLRVTVMPLLTLPQTRQAKNIYDILPWRQEDLGRHESRSMRIFSTESLLSRNSEPEHVPSQAGNAFQE
 HTAHIHATEYAVGIYDNAMVPQMCGNLTPSAHCINVRSRDCASISSESDSHDYVNVPTAEEIAETLASTK
 SPSRNLFVLPSTQKLEFTEERDEGCGDAGDCTSLYSPGAEDSDLSNNEGSSQISNDYVNMGTGLDLIAIQ
 ERQLWVAFQCCRDYENVPAADPSGSQQQAEDVPSSNIGHVEDKTDDPGTHVQCVRKRTFLASGDYADFQP
 FTQSEDSQMKHREEMSNESSDYENVLTAKLGGRDSEQGPQTQLLPDE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_017773

ORF Size: 1194 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_017773.4](#)

RefSeq Size: 3246 bp

RefSeq ORF: 1197 bp

Locus ID: 54900

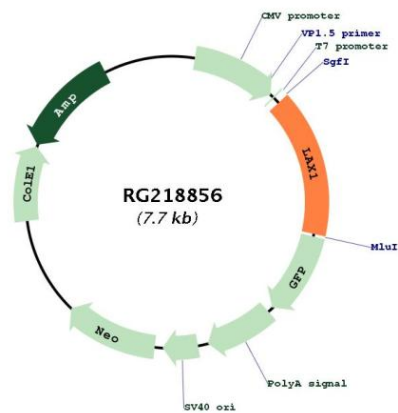
UniProt ID: [Q8I WV1](#)

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 RG218856