

Product datasheet for **MG218781**

Lax1 (NM_001159649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lax1 (NM_001159649) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lax1
Synonyms:	A530029E09; E430019B13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218781 representing NM_001159649 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACAGCACCCCGGCCCTCCAGAGGTCACAAGAAGGAAGTCAAGAGCCAGCACTCGGCAGGGGACTC
 TTGGCAGCCTGCAGGGAGAGAAAGGCCAGATCATCTTCCCTGGCTTTGTCGTGCTCCTGACCATCATCT
 GGTCATCATAGCTGCCTGTATCCTGTGGAGCTGGAAGAAACAGAAGAAGCGGCCTGTTTCTTACTTCCAA
 GTAGCTCCATCGTTGACTCTGCCTCCACCCAGACATCGAGCCAAAAATATTTATGACTTCTTGCCCGGC
 AGCAGACAGAGCTGGGGAGACATCAGTTGAGTGGTTTCAGTACCGAGAGCCTCCTCTCCAGAGCATCTGA
 CAGCCCTGAGCCTGAGGCCCCCAAGCCAATGGTTCCTTCAGATGCATAGAGTGTCCGTTCACTACTGTG
 GAGTATTCAGTAGACATCTATGACAATGGCACAGTGCCCCAGATGTGCAGGCACCTGGCCTCCTCAACAC
 ATCATGTCTGTGTGAGAACTTCCAGAAGTAACCCAGCATTCTTCCAAGGAGTCAAATGATTATGTCAA
 TATCCCCACAGTAGAGGACACCTGTGAGACTCTAACTCGCATAGAAAGCACTCCTGAAAATCACCTTGGT
 CTTCCAAGTGCCCTGCGGCTGGAGTTTGCTGAAGGAGGGCATGCAGGCTGTGGGAATGCCACGGACCAG
 ATGGTTTTTGGGCTCCAGGACCAAGTGCAGTGATTCACTCAGCGACGGAGACGATTTATCTCAGACTTC
 AAATGACTACGTCAATATGACAGGGTTGGATCTTGAGAACATCCAAGAGAATCGACCCAGGGGAGCTTTT
 CAGTGCTGCAGAGATTATGAAAATGTCCCATGGGTAGATACCAATGAGAGCCAGCTGCCGACTCTGGAAG
 AAGTGGCATCGTCAACTGTAGACCACAGGGAACCTGTCTGGAGGACCCTCTCTTCACTGTATCATATGGC
 ATTTACGCCGTCGGCACAGAGTGAGGACAGTGCCATGGTCCATGGAGAAGAGCAGTCAAGCGAAGACTCC
 AGTGACTATGAGACTGTGCTGGTTGCTGAGTTAGAAGGCAGGGACTGGAAGCAGGGACCTGGTACTCAGC
 ATCCTTCTGATGAAGGAACACCAGGCGACCTAGCTGGAAAGCTCTGTGAGGTGGTCTACCCTGCTGGGTC
 TTAGCCACCGAAACATCTGACGAAGATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG218781 representing NM_001159649
 Red=Cloning site Green=Tags(s)

MYSTPAPPEVTRRNSEPSTRQGTGLGSLQGEKGQIIFPGFVLLTIILVIIAACILWSKKQKKRPVSYFQ
 VAPSLTLPPPRHRAKNIYDFLPRQQTTEGRHQLSGFSTESLLSRASDSPEPEAPQANGSLQMRVSVHTV
 EYSVDIYDNGTVPQMRHLASSTHHVCVRTSRSNPSSISKESENDYVNIPTVEDTCETLRIESTPENHLG
 LPSALRLEFAEGGHAGCGNATDHDGFWAPGPKCSDSLSDGDDLSTQTSNDYVNMGTGLDLENIQENRPRGAF
 QCCRDYENVPWVDTNESQLPTLEEVSSTVDHREPVRWTLSSVYHMAFQPSAQSEDSAMVHGEEQSSEDS
 SDYETVLVAELEGRDWKQGPQTQHPSTDEGTPGDLAKLCEVVYPAGSLATETSDEDA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

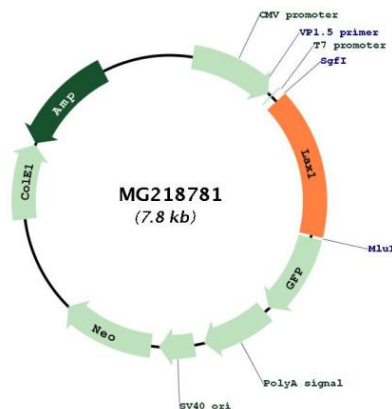
Locus ID: 240754

UniProt ID: [Q8BHB3](#)

Cytogenetics: 1 E4

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 MG218781