

Product datasheet for **MC226551**

Lilrb4a (NM_001291894) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lilrb4a (NM_001291894) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lilrb4a
Synonyms: CD85K; gp49; Gp49b; HM18; ILT3; Lilrb4; LIR-5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226551 representing NM_001291894
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAACCTCATATGCAGGCATATATAAGTGTTACTATGAGAGTGCTGCTGGCTTCTCAGAGCACAGTG
ATGCCATGGAGCTGGTGATGACAGGAGCATATGAAAATCCAGCCTGTCAGTCTATCCAGCTCTAATGT
GACCTCTGGAGTTCCATATCCTTTAGTTGCAGCTCATCCATAGTATTTGGCAGATTCATTCTGATCCAG
GAAGGAAAGCATGGCCTCTCTTGACCCTGGACTCACAGCATCAGGCAATCAGCCATCCTATGCTACTT
TTGTTCTGGATGCTGTTACTCCCAACCAATGGAACATTCAGATGCTATGGCTACTTTAGAAAATGAACC
ACAGGTGTGGTCAAACCAAGTAACTCCCTAGACCTCATGATCTCAGAAACCAAGGACCAGTCTCTACA
CCCCTGAAGATGGACTGGAAACATACCAGAAGATTTTGATTGGAGTCTGGTGTCTTCTCTGCTTT
TCTTCTCTGCTTTTCTCATCCTCATCGGATACCAAGTATGGGCACAAAAGAAGGCTAATGCTTCTGT
GAAGAACACAACTCTGAGAACAATGCAGAGCTGAACAGTTGGAACCCACAAAATGAAGACCCCCAGGGA
ATTGTCTACGCCAGGTAAAACCTCCAGGCTTCAGAAGGACTGCATGCAAAGAGACCCAGGATGTAA
CCTATGCCAGTTGTGCATCAGGACACAGGAACAGAACAACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291894
Insert Size: 747 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001291894.1, NP_001278823.1</u>
RefSeq Size:	1502 bp
RefSeq ORF:	747 bp
Locus ID:	14728
Cytogenetics:	10 25.5 cM
Gene Summary:	<p>Receptor for class I MHC antigens. Involved in the down-regulation of the immune response and the development of tolerance. Interferes with TNFRSF5-signaling and NF-kappa-B up-regulation. Inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice junction at the 3' end of the first exon and initiates translation at an alternate start codon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>