

## Product datasheet for **MC200536**

### Lilrb4a (NM\_013532) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lilrb4a (NM\_013532) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lilrb4a  
**Synonyms:** CD85K; gp49; Gp49b; HM18; ILT3; Lilrb4; LIR-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC006591 sequence for NM\_013532  
 CGAACATTGCCTGGACTCACCATGATCGCCATGCTCACAGTGCTGCTATACCTTGGTCTTATTCTGGAAC  
 CCAGGACTGCAGTACAGGCAGGACACCTCCCAAAGCCCATCATCTGGGCTGAGCCAGGCTCTGTGATCGC  
 TGGTATACATCTGTGATTACCTGGTGTGAGGGTTCCTGGGAGGCCAGTATTATCATCTGTATAAAGAG  
 AAAAGTGTAAATCCTTGGGACACTCAAGTCCCTCTGAAAACAGGAATAAGGCCAAGTTCAACATCCAA  
 GCATGACAACCTCATATGCAGGCATATATAAGTGTACTATGAGAGTGCTGCTGGCTTCTCAGAGCACAG  
 TGATGCCATGGAGCTGGTATGACAGGAGCATATGAAAAATCCAGCCTGTCAGTCTATCCAGCTCTAAT  
 GTGACCTCTGGAGTTCCATATCCTTTAGTTGCAGCTCATCCATAGTATTTGGCAGATTCATTCTGATCC  
 AGGAAGGAAAGCATGGCCTCTCTGGACCCTGGACTCACAGCATCAGGCCAATCAGCCATCCTATGCTAC  
 TTTTGTCTGGATGCTGTTACTCCCAACCAATGGAACATTCAGATGCTATGGCTACTTTAGAAATGAA  
 CCACAGGTGTGGTCAAACCAAGTAACCTCCTAGACCTCATGATCTCAGAAACCAAGGACCAGTCTCTA  
 CACCCACTGAAGATGGACTGAAAACATACCAGAAGATTTTGATTGGAGTCTGGTGTCTTCTCCTGCT  
 TTTCTTCTCCTGCTTTTTCTCATCCTCATCGGATACCAGTATGGGCACAAAAAGAGGCTAATGCTTCT  
 GTGAAGAACACACAATCTGAGAACAATGCAGAGCTGAACAGTTGGAACCCACAAAATGAAGACCCCAAGG  
 GAATTGTCTACGCCAGGTAAAACCTCCAGGCTTCAAGGACACTGCATGCAAAGAGACCCAGGATGT  
 AACCTATGCCAGTTGTGCATCAGGACACAGGAACAGAACAGCTGAAACCAGCAAGCAGCCAACACA  
 GAAAGAAGACCCAGACCCACATTCATGAATGAAAATAGGGATTTTCTGGTATTTGATCCAGTGGAC  
 TCTATTTAATTAATTCAGGCCATCATGAATACCTCATGTGTTATCAGAAGCTTCTCAGAATTTTGGGAAT  
 ATACTTTATTCTTTGTTTCAGAGATAACAAATGTCATTACATTTTGTAAATAAAGCCAAATCCTCCTCAAT  
 AAACAATTCATCTAATGAGAAACAAATGAAATGAGATATTTGTGAATTGAAAGACAATGTAACCCAGGCAC  
 ACTAATCAATGAAACTTGAATTTTTAGAACCATGAATAAATGTATAAGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_013532  
**Insert Size:** 1008 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC006591](#), [AAH06591](#)

**RefSeq Size:** 1394 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 14728

**UniProt ID:** [Q64281](#)

**Cytogenetics:** 10 25.5 cM

**Gene Summary:** 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]  
 Transcript Variant: This variant (1) encodes the longest 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.