

Product datasheet for MR204975

Lilrb4a (NM_013532) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lilrb4a (NM_013532) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lilrb4a
Synonyms: CD85K; gp49; Gp49b; HM18; ILT3; Lilrb4; LIR-5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204975 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGCCATGCTCACAGTGCTGCTATACCTTGGTCTTATTCTGGAACCCAGGACTGCAGTACAGGCAG
 GACACCTCCAAAGCCCATCATCTGGGCTGAGCCAGGCTCTGTGATCGTGCATACATCTGTGATTAC
 CTGGTGCAGGGTTCCTGGGAGGCCAGTATTATCATCTGTATAAAGAGAAAAGTAAATCCTTGGGAC
 ACTCAAGTCCCTCTGAAAACAGGAATAAGGCCAAGTTCAACATTCGAAGCATGACAACCTCATATGCAG
 GCATATAAAGTGTACTATGAGAGTGTGCTGGCTTCTCAGAGCACAGTATGCCATGGAGCTGGTGTGAT
 GACAGGAGCATATGAAAATCCCAGCCTGTCACTATCCCAGCTCTAATGTGACCTCTGGAGTTCCATA
 TCCTTTAGTTGCAGCTCATCCATAGTATTTGGCAGATTATTCTGATCCAGGAAGGAAAGCATGGCCTCT
 CTTGGACCCTGGACTCACAGCATCAGGCCAATCAGCCATCCTATGCTACTTTTGTCTGGATGCTGTTAC
 TCCCAACCACAATGGAACATTCAGATGCTATGGCTACTTTAGAAATGAACCACAGGTGTGGTCAAACCA
 AGTAACTCCCTAGACCTCATGATCTCAGAAACCAAGACCAGTCTCTACACCCACTGAAGATGGACTGG
 AAACATACCAGAAGATTTGATTGGAGTCTGGTGTCAATCCTCTGCTTTTCTCTCTCTGCTTTTCT
 CATCCTCATCGGATACCAGTATGGGCACAAAAAGAAGGCTAATGCTTCTGTGAAGAACACACAATCTGAG
 AACAAATGCAGAGCTGAACAGTTGGAACCCACAAAATGAAGACCCCGGGAATTGCTACGCCAGGTAA
 AACCTCCAGGCTTCAGAAGGACACTGCATGCAAAGAGACCCAGGATGTAACTATGCCAGTTGTGCAT
 CAGGACACAGGAACAGAACAACGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204975 protein sequence
Red=Cloning site Green=Tags(s)

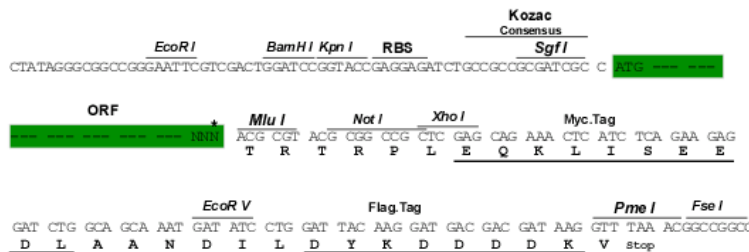
MIAMLTVLLYLGLILEPRTAVQAGHLPKPIIWAEPGSVIAAYTSVITWCQGSWEAQYYHLYKEKSVNPWD
 TQVPLETRNKAKFNIPSMTTSYAGIYKCYYESAAGFSEHSDAMELVMTGAYENPSLSVYPPSSNVTSGVSI
 SFSCSSSIVFGRFILIQEGKHGLSWTLDLSQHQNQPSYATFVLDAVTPNHNGTFRCYGYFRNEPQVWSKP
 SNSLDLMISETKDQSSTPTEDGLETYQKILIGVLVSFLLLFLLFLILIGYQYGHKKKANASVKNTQSE
 NNAELNSWNPQNEPQGIYYAQVKPSRLQKDTACKETQDVTYAQLCIRTQEQQNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013532

ORF Size: 1008 bp

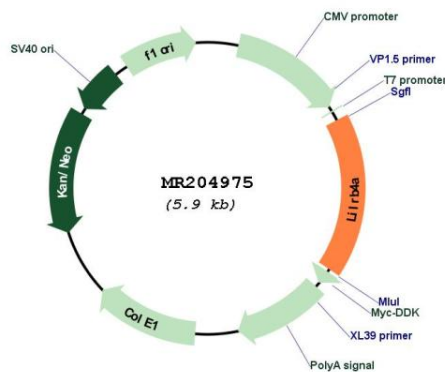
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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](#)

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:	<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_013532.3</u>
RefSeq Size:	1497 bp
RefSeq ORF:	1008 bp
Locus ID:	14728
UniProt ID:	<u>Q64281</u>
Cytogenetics:	10 25.5 cM
MW:	37.5 kDa
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]

Product images:



Circular map for MR204975