

Product datasheet for MR228762

Lilrb4a (NM_001291894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lilrb4a (NM_001291894) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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
ORF Nucleotide Sequence:	>MR228762 representing NM_001291894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAACCTCATATGCAGGCATATATAAGTGTTACTATGAGAGTGCTGCTGGCTTCTCAGAGCACAGTG
ATGCCATGGAGCTGGTGATGACAGGAGCATATGAAAATCCAGCCTGTCAGTCTATCCAGCTCTAATGT
GACCTCTGGAGTTCCATATCCTTTAGTTGCAGCTCATCCATAGTATTTGGCAGATTCATTCTGATCCAG
GAAGGAAAGCATGGCCTCTCTTGGACCCGGACTCACAGCATCAGGCAATCAGCCATCCTATGCTACTT
TTGTTCTGGATGCTGTTACTCCCAACCAATGGAACATTCAGATGCTATGGCTACTTTAGAAAATGAACC
ACAGGTGTGGTCAAACCAAGTAACTCCCTAGACCTCATGATCTCAGAAACCAAGGACCAGTCTCTACA
CCCCTGAAGATGGACTGGAAACATACCAGAAGATTTTGATTGGAGTCTGGTGTCTTCTCTGCTTT
TCTTCTCTGCTTTTTCTCATCCTCATCGGATACCAAGTATGGGCACAAAAGAAGGCTAATGCTTCTGT
GAAGAACACAACTCTGAGAACAATGCAGAGCTGAACAGTTGGAACCCACAAAATGAAGACCCCCAGGGA
ATTGTCTACGCCAGGTAACCCCTCCAGGCTTCAGAAGGACACTGCATGCAAAGAGACCCAGGATGTAA
CCTATGCCAGTTGTGCATCAGGACACAGGAACAGAACAACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228762 representing NM_001291894
 Red=Cloning site Green=Tags(s)

MTTSYAGIYKCYYESAAGFSEHSDAMELVMTGAYENPSLSVYPSSNVTSGVSISFSCSSSIVFGRFILIQ
 EGKHGLSWTLDSQHQANQPSYATFVLDAVTPNHNGTFRCYGYFRNEPQVWSKPSNSLDLMISETKDQSST
 PTEDGLETYQKILIGVLVSFLLLFLLFLILIGYQYGHKKKANASVKNTQSENNAELNSWNPQNEPQG
 IVYAQVKPSRLQKDTACKETQDVTYAQLCIRTQEQNNS

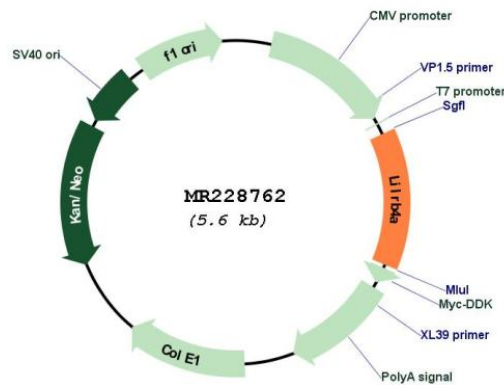
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291894
ORF Size: 744 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:	<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:	NM_001291894.1 , NP_001278823.1
RefSeq Size:	1502 bp
RefSeq ORF:	747 bp
Locus ID:	14728
Cytogenetics:	10 25.5 cM
MW:	28.2 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]