

Product datasheet for MR215054

Lkaaeear1 (NM_199023) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lkaaeear1 (NM_199023) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lkaaeear1
Synonyms: 4930526D03Rik; Gm692
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215054 representing NM_199023
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGACCTGGGAGTAAAGGGTGCACGGGAGCGGGACAAAAACAGTGCATCTGGAGCTGGAGCTGGAG
 CTGGAGCTGGAGCTGGAGCTGGAGAGAAGCACAGGAAGGGCCCGAGGACTACAGACCTCCGAAGACAGG
 CTGGGCATTGACTAAGCAGAGGCTGGTAGCCTTGTCCCCTACACTACGCCAACGCCACCTGCTCTTTGGC
 GACTTTCTTGACGACATAGGCAAGGTGGCTCCATGTTTCCACGCGAGTCGGTGGAGTTACCTACGACA
 TGCTGACCCGCGCACCTGGTCACAGGCATTAATCTACCATCTGAGCATCAAAATCGGTTTCTGGGCCT
 TATTAAGCCGCGGAAGCCCGGGCCGAGTCCATACCCTGCGGTTGCGCTACACCCGAATGCGGGCAGAG
 GAAATCTCTTTGCTGATCCAGAAGCAGAGCTCCGCGCGCCTGCCATCCGACTGGAAGTGTCTACCAC
 CCCAACTGAAGCCCAAAAGATCCCTGATCCTCTGGACCGACACGAGCGGAGGCGTGTGAGACAATCCT
 GGAAGAGGAGGTAGATGGCAACATCTTCCCCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215054 representing NM_199023
 Red=Cloning site Green=Tags(s)

MPTLVKVGARERDKNSASGAGAGAGAGAGEKHKRGPRTTDPKGTGWALTKQRLVALSPTLRQRHLLFG
 DFLDDIGKVASMFRESVELPYDMPDPRTWSQLNLPSEHQNRFLGLIKAAEARGRVHTLRLRYTRMRAE
 EISLLIQKQSSARAAIRLELFLPPQLKPTKIPDPLDRHERRRVETILEEEVDGNIFPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9085_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199023

ORF Size: 594 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.

RefSeq: [NM_199023.3](#), [NP_950188.2](#)

RefSeq Size: 716 bp

RefSeq ORF: 597 bp

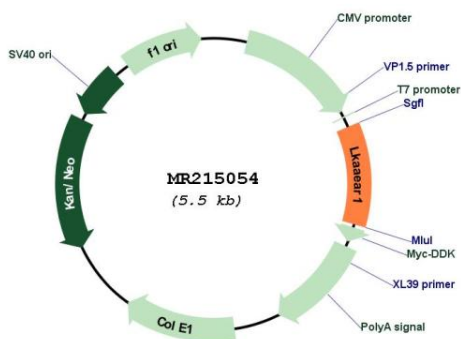
Locus ID: 277496

UniProt ID: Q8BIG2

Cytogenetics: 2 H4

MW: 22.1 kDa

Product images:



Circular map for MR215054