

Product datasheet for **MR207908**

Lrrc14 (NM_145471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc14 (NM_145471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc14
Synonyms:	E130306I01Rik; mKIAA0014
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR207908 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

 ATGCACACACTTGTGTTCTCAGCACGCGTCAGGTCCTTCAGTGCCAGCCAGCTGCATGCCAGGCCCTGC
CCCTGCTGCCCGGGAACCTCTCCCTCTGCTCTTCAAGGTGGCTTTCATGGACAAAAAGACGCTTGCT
GCGTGAGCTAGTGACACGTGGCCCTTTCCCTGCTCAGCTTCCAGCAGCTGCTGCAGGAGTGTGCCAC
TGCAGTCGAGCCCTGCTGCAGGAGCGGCTCAGCACAGAAAGCATGCAGGCTGTGATCCTGGGGCTGACAG
CTCGGATTCACTCAAGAAACAGAGGCTGGCAGCAGCCCTTGTGCAGGAAGCATGCATTGCGGGTTCT
GGACATGACGGGTCTCCTGGATGATGGTGTGGAGCAGGATCCTGAAACCATGAGCATGTGGGACTGTACA
GCCGCTGTAGCCAGAACGTGCATTGCCAGCAGCAGGGTGGGACTGCCGAGCCAGGGCTGTACCAGTCC
CCGTGGAAATCCGAGTAGACCTTCGGGTAAACCGGGCTCGTACACATTCCTTCGTGAGGCCCTCCAAAG
CAGTGTGGCCAGCCGCTGCGGCTGTGCTGCCGGGACCTGCGGGCTGAGGATCTACCCATGCGTAACACT
GTGGCCCTGCTACAGCTTTTAGATGCAGGCTGTCTGCGCCGGATAGACCTGCGCTTCAATAACCTGGGCT
TGCGTGGCCTGTCTGTCATTATCCACATGTGGCCCGCTTTCAGCACTTAGCTAGCCTGAGGCTGCACTA
CGTGCATGGGGACTCAAGACAGCCTTCCGTGGACGGGAGGACAACCTTTCGCTACTTTCTGGCCAGATG
GGCCGGTTTATGTGCTTCGGGAGCTCAGCATGGGGTCTTCTCTCCTTTCAGGAGGCTGGATCAACTGC
TCAGCACCTGCAGAGGCCCTGGAAGCCTAGAACTGGCCTTCTGTGCGCTCTTGCTGAGGACCTACG
CTTCTGGCTCAGAGTTCTCATGCTGCCATCTCAAAAGTTGGATTTGAGTGGCAACGACCTGTACAGG
AACCAGTTGACACCTTCCAGGCTGCTGCAGGAGTAGCCACCACACTGCTGCATCTTGAGCTGACTG
AGTGCCAGCTTGTGATGCCAGCTGTTGGCTACCCTGCCACCCTCACTCGATGTGCCAGTCTCCGCTA
CCTTGGTCTCTATGGCAACCCTTTGTCTATGGCAGGACTTAAAGAACTGCTTCGGGACTCTGTGGTACAG
GCTGAGCTACGTACCGTGGTACACCCCTTCCCTGTGGACTGCTATGAGGGTCTTCTTGCCACCACCTG
CCTCTGCTCTTCTGGAAGCCTCCATCAATGAGGAGAAGTTGCCCGGTGGAAGCTGAGTTACACCAACT
GCTGTTAGCTTCGGGCCGTGCCATGTGCTCTGGACCACAGACATCTATGGCCGGCTAGCTGCAGACTAT
TTTAGCCTC

 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207908 protein sequence

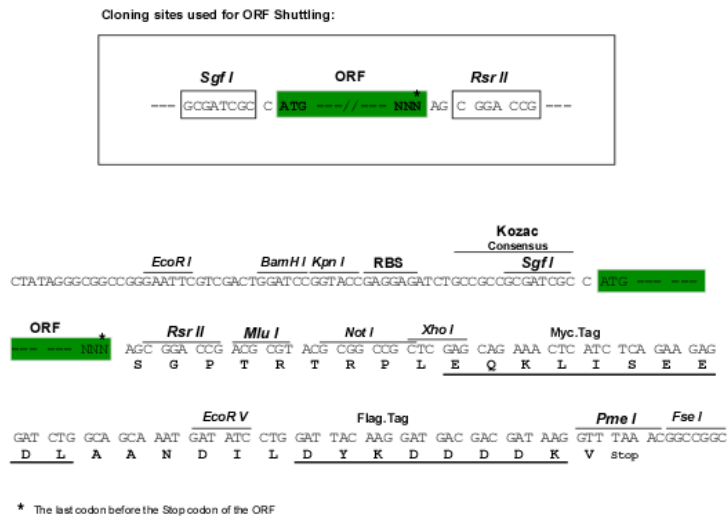
Red=Cloning site Green=Tags(s)

 MHTLVFLSTRQVLQCQPAACQALPLLPRELFPLLFKVAFMDKKTLLVRELVHTWPFLLSFQQLLQECAH
CSRALLQERLSTESMQAVILGLTARIHTQETEAGTQPLCRKHALRVLDMTGLDDGVEQDPETMSMWDCT
AAVARTCIAQQQGGTAEPGLSPVPVEIRVDLRVNRASYTFLREALQSSVASPLRLCCRDRAEDLPMRNT
VALLQLLDAGCLRRIDLRFNNLGLRGLSVIIPHVARFQHLASLRLHYVHGDSRQPSVDGEDNFRYFLAQM
GRFMCLRELSMGSSLLSGRLDQLLSTLQRPLESLELAFCALLPEDLRFLAQSSHAHLKKLDL SGNDLSG
NQLTPFQGLLQAVATLLHLEL TECQLADAQLLATLPTLTRCASLRYLGLYGNPLSMAGLKELLRDSVVQ
AELRTVVHPPFVDCYEGLPWPPASVLLLEASINEEK FARVEAELHQLLLASGRAHVLWTTDIYGRLAADY
FSL

 SGPTRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_145471

ORF Size: 1479 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145471.1](#)

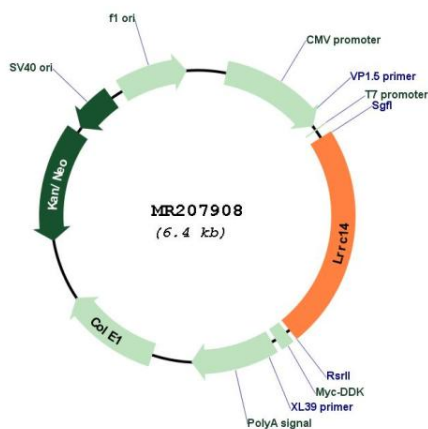
RefSeq Size: 2277 bp

RefSeq ORF: 1482 bp

Locus ID: 223664

UniProt ID:	<u>Q8VC16</u>
Cytogenetics:	15 D3
MW:	55 kDa
Gene Summary:	Negatively regulates Toll-like receptor-mediated NF-kappa-B signaling by disrupting IKK core complex formation through interaction with IKBKB.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207908