

Product datasheet for **MG207908**

Lrrc14 (NM_145471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc14 (NM_145471) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc14
Synonyms:	E130306I01Rik; mKIAA0014
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207908 representing NM_145471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCACACACTTGTGTTCTCAGCACGCGTCAGGTCCTTCAGTGCCAGCCAGCTGCATGCCAGGCCCTGC
 CCTGCTGCCCGGGAATCTTCCCTCTGCTCTTCAAGGTGGCTTTCATGGACAAAAAGACGCTTGTGCT
 GCGTGAGCTAGTGACACGTGGCCCTTCCCTGCTCAGCTTCCAGCAGCTGCTGCAGGAGTGTGCCAC
 TGCAGTCGAGCCCTGCTGCAGGAGCGGCTCAGCACAGAAAGCATGCAGGCTGTGATCCTGGGGCTGACAG
 CTCGGATTCACTCAAGAAACAGAGGCTGGCAGCAGCCCTTGTGCAGGAAGCATGCATTGCGGGTTCT
 GGACATGACGGGTCTCCTGGATGATGGTGTGGAGCAGGATCCTGAAACCATGAGCATGTGGGACTGTACA
 GCCGCTGTAGCCAGAACGTGCATTGCCAGCAGCAGGCTGGGACTGCCGAGCCAGGGCTGTACCAGTCC
 CCGTGAAATCCGAGTAGACCTTCGGGTAAACCGGGCTCGTACACATTCCTTCGTGAGGCCCTCCAAAG
 CAGTGTGCCAGCCGCTGCGGCTGTGCTGCCGGGACCTGCGGGCTGAGGATCTACCCATGCGTAACACT
 GTGGCCCTGCTACAGCTTTAGATGCAGGCTGTCTGCGCCGGATAGACCTGCGCTTCAATAACCTGGGCT
 TCGGTGGCTGTCTGTCATTATCCACATGTGGCCGCTTTCAGCACTTAGCTAGCCTGAGGCTGCACTA
 CGTGATGGGGACTCAAGACAGCCTTCCGTGGACGGGGAGGACAACTTTCGCTACTTTCTGGCCAGATG
 GGCCGGTTTATGTGCTTCGGGAGCTCAGCATGGGGTCTTCTCTCCTTTCAGGCAGGCTGGATCAACTGC
 TCAGCACCTGCAGAGGCCCTGGAAAGCTAGAACTGGCCTTCTGTGCGCTCTTGCTGAGGACCTACG
 CTTCTGGCTCAGAGTTCTCATGCTGCCCATCTCAAAAAGTTGGATTGAGTGGAACGACCTGTGAGGC
 AACCAGTTGACACCCTTCAGGGTCTGCTGCAGGCAGTAGCCACCACACTGCTGCATCTTGAGCTGACTG
 AGTGCCAGCTTGTGATGCCAGCTGTTGGCTACCCTGCCACCCTCACTCGATGTGCCAGTCTCCGCTA
 CCTTGGTCTCTATGGCAACCCTTTGTCTATGGCAGGACTTAAAGAACTGCTTCGGGACTCTGTGGTACAG
 GCTGAGCTACGTACCGTGTACACCCCTTCCCTGTGGACTGCTATGAGGGTCTTCTTGCCACCACCTG
 CCTCTGCTCTTGAAGCCTCCATCAATGAGGAGAAGTTGCCCGGTGGAAGCTGAGTTACACCAACT
 GCTGTTAGCTTCGGGCCGTGCCCATGTGCTCTGGACCACAGACATCTATGGCCGGCTAGCTGCAGACTAT
 TTAGCCTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207908 representing NM_145471
 Red=Cloning site Green=Tags(s)

MHTLVFLSTRQVLQCQPAACQALPLLPRELFPLLFKVAFMDKKTLLVRELVHTWPFPLLSFQQLQECAL
 CSRALLQERLSTESMQAVILGLTARIHTQETEAGTQPLCRKHALRVLDMTGLDDGVEQDPETMSMWDCT
 AAVARTCIAQQQGGTAEPGLSPVPVEIRVDLRVNRASYTFLREALQSSVASPLRLCCRDRAEDLPMRNT
 VALLQLLDAGCLRRIDLRFNNLGLRGLSVIIPHVARFQHLASRLHYVHGDSRQPSVDGEDNFRYFLAQ
 GRFMCLRELSMGSSLLSGRLDQLLSTLQRPLESLELAFCALLPEDLRFLAQSSHAHLKKLDLSGNDL
 SG NQLTPFQGLLQAVATLLHLELTECQLADAQLLATLPTLTRCASLRYLGLYGNPLSMAGLKELLRDSVVQ
 AELRTVVHPPFVDCYEGLPWPPASVLEASINEEFARVEAELHQLLLASGRAHVLWTTDIYGRLAADY
 FSL

SGPTRRRLE – GFP Tag – V

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

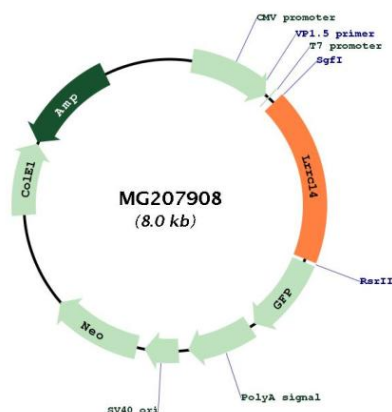
Locus ID: 223664

UniProt ID: [Q8VC16](#)

Cytogenetics: 15 D3

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 MG207908