

Product datasheet for **MR209309**

Rlim (NM_011276) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rlim (NM_011276) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rlim
Synonyms:	AL022832; AW743871; Ha1r; Rlim1; Rnf12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209309 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAACTCAGATTCTAACGATAAAGGAAGTGACCAGTCTGCAGCTCAGCGCAGAAGTCAAATGGATC
 GCTTGGATCGGGAAGAGGCTTTCTATCAATTTGTGAATAATCTCAGTGAAGAAGATTATAGACTTATGAG
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 AAAGAGGGTCCACCACCACAGAGCCCGATGAAAAAGAGCTGGAGAGTCTTTCAGATGATGTGACCAACA
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 CAAGTGAATTCACGAAGAGCTCCGACCTTGGAGCAGTCTTCGAAAACGAGCCTGAAGGAAGTTCTAG
 AACCCGGCACCATGTGACCCTGAGACAGCAGATATCTGGACCGGAGTTGTTAGGTAGAGGTCTTTTTGCA
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 AAACCTACCTTGTCCCATGAGTACCACGTCCACTGCATCGACCGTGGTGTCTGAGAATCCACCTGTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209309 protein sequence
 Red=Cloning site Green=Tags(s)

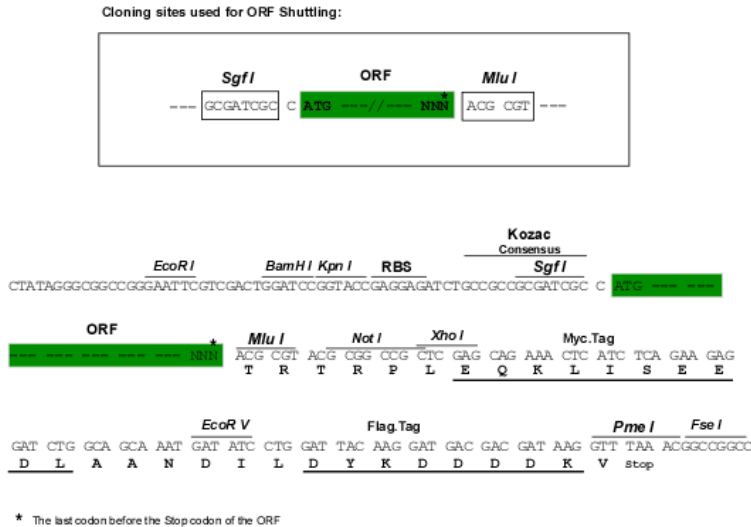
MENSDSNDKGSQSAQRRSQMDRLDREEAFYQFVNNLSEEDYRLMRDNNLLGTPGESTEEELLRRLQQI
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 PSASVSSRNVERVESRNRGRGSSGGNSSGSSSSSSPSSSGESSSEMFEGSSEGGSSGSPRRDGRH
 RAPVTFDESGLPFLSLAQFFLLNEDDEDQPRGLTKEQIDNLAMRSFGENDALKTCSVCITEYTEGNKLR
 KLPCSHYVHVICDRWLSNSTCPCIRRAVLSSGNRESVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011276

ORF Size: 1803 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_011276.4](#)

RefSeq Size: 7435 bp

RefSeq ORF: 1803 bp

Locus ID: 19820

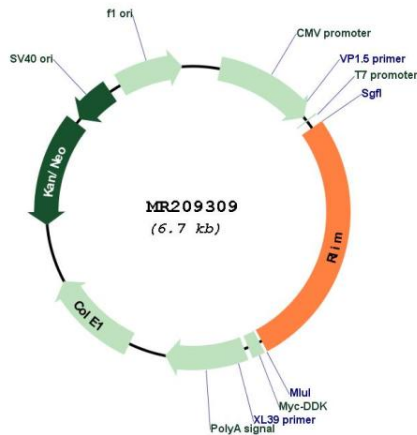
UniProt ID: [Q9WTV7](#)

Cytogenetics: X D

MW: 66.4 kDa

Gene Summary: E3 ubiquitin-protein ligase that acts as a negative coregulator for LIM homeodomain transcription factors by mediating the ubiquitination and subsequent degradation of LIM cofactors LDB1 and LDB2 and by mediating the recruitment the SIN3a/histone deacetylase corepressor complex. Ubiquitination and degradation of LIM cofactors LDB1 and LDB2 allows DNA-bound LIM homeodomain transcription factors to interact with other protein partners such as RLIM. Plays a role in telomere length-mediated growth suppression by mediating the ubiquitination and degradation of TERF1. By targeting ZFP42 for degradation, acts as an activator of random inactivation of X chromosome in the embryo, a stochastic process in which one X chromosome is inactivated to minimize sex-related dosage differences of X-encoded genes in somatic cells of female placental mammals.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209309