

## Product datasheet for **MR209847**

### Rars (NM\_025936) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rars (NM_025936) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rars
Synonyms:	2610011N19Rik; 2610037E21Rik; AL033339; AW985894
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209847 representing NM\_025936  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGACGGTCTGGTGGCTCAGTGTCTCCGCGGGTTGCTGCAGCAGAAAGGGAGATTAAGGCTCTGACTG  
CTGAGATCGACCGCTGAAGAAGCTGTGGCTGCTTGGAAAGCTTCTCCAAGTTTGGAAACAGTTACGAGAAGA  
AAATTTAAAATTGAAGTATAGGCTGAATATTCTTGAAGGAGTCTTCAGGAAGAAAGGAGAAAAACCAACT  
AAAAACATGATTAACATCAACAGCCGCTGCAGGAAGTCTTTGGCTGTGCCATTAGGGCTGCATATCCAG  
ACTTGGAGAACCCTCCCCTGATCGTGACACCAAGTCAAGCAGCCCAAGTTTGGAGACTATCAGTGAATAG  
TGCCATGGGTATTTCTCAGATGCTCAAGGCAAAGGAACAGAAAGTCAAGTCCAGAGAAATCGCAGAAAAAC  
ATTACCAAACACCTGCCGAACAATAAATATATTGACAAAGTTGAAATTGCGGGTCTGGTTTCATTAATG  
TGCACCTGAGAAAAGACTTTGTGTGAGAACAGCTAACCAGTCTCCTAGTGAATGGAGTCCAGCTGCCTGT  
GCTTGGAGACAAGGAGAAGGTTATAGTTGACTTTTCTCTCCCAACATAGCTAAGGAGATGCATGTTGGC  
CACCTCAGGTCAACCATCATAGGAGAGAGCATGAGCCGCCTCTTTGAATTTGAGGATACGATGTGCTAA  
GGTTAAACCATGTAGGAGATTGGGAACCCAGTTTGGCATGCTCATCGCTCACCTGCAAGATAAATTTCC  
GGATTATCTGACAGTTTCACCTCCTATTGGGGATCTGCAGGCCTTTTATAAGGAATCTAAGAAGAGGTTT  
GATGCTGATGAGGAGTTAAGAAGCGAGCCTATCAGTGTGTGCTTTTGTGTCAGAGTAAAAACCCAGATA  
TCATGAAAGCCTGGAACCTCATCTGTGACGTGTCCCGGAAGAGTTTAAAGAAATCTATGATGCATTGGA  
CATCACTTTAATAGAGAGAGGAGAATCCTTCTATCAAGATAGGATGAAGGACATTGTAAGGAATTTGAA  
GATAAAGGGTTTGTGCAAGTGGATGATGGCAGAAAAATGTGTTGCTGCCTGGGTGTTCTGTGCCATTAA  
CGATAGTAAAATCAGATGGGGCTATACCTATGACACATCTGACCTGGCTGCCATCAAACAGAGACTGTT  
TGAAGAAAAAGCAAACAAGATTATTTATGTGGTGGACAATGGACAAGCTATACACTCCAGACAATATTT  
GCTGCTGCTCAGATGATTGGCTGGTATGACCCGAAAGTAACTCTAGTGACCCACGTGGGATTTGGTGTGCG  
TCCTAGGAGAAGACAAGAAGAAATTTAAAACACGTTTCAAGTGAAGTGTGCGCCTTATGGACCTGCTGGA  
AGAAGGGCTGAAACGGTCCATGGACAAGCTAAAGGAGAAAGAGAGACAAGGTCTTAACTGAAGAGGAA  
TTGAAAGCAGCTCAGACATCCGTTGCATATGGCTGCATCAAATACGCCGACCTTTCTATAATCGCCTCA  
ATGACTACATCTTCTCTTTGACAAGATGCTGGATGACAGAGGGAACACAGCTGCTTACCTACTGTATGC  
CTTACCAGAATCAGGTCTATTGCGGCCTCGCCAACATTGATGAGGCGATGCTACAGAGAGCCGCTCGG  
GAAACCAAGATCATTTTGGACCATGAAAAGGAGTGAAGCTGGGGCGGTGCATCTTACGGTTCCTCCGAGA  
TCCTCCAGAAGATCTTAGACGACCTGTTTCTCCACACCCTCTGTGACTACATTTACGAGCTGGCAACCAC  
CTTACAGAGTTCTACGATAGCTGCTACTGTGTGGAGAAAGATCGACAGACTGGGAAAGTATTGAAAGTG  
AACATGTGGCGGATGCTCCTGTGTGAGGCCGTGGCTGCTGTCATGGCAAGGGTTTCGATATACTGGGGA  
TAAAACCCGTCCAAAGGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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\\_025936.3](#), [NP\\_080212.2](#)

**RefSeq Size:** 2140 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 104458

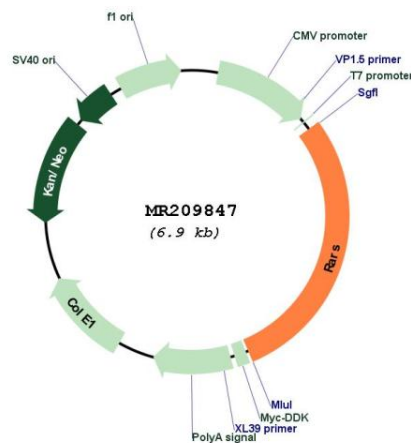
**UniProt ID:** [Q9D0I9](#)

**Cytogenetics:** 11 A4

**MW:** 76.1 kDa

**Gene Summary:** Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis (PubMed:12060739). Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR209847