

Product datasheet for **MC203113**

Rars (NM_025936) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rars (NM_025936) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rars
Synonyms:	2610011N19Rik; 2610037E21Rik; AL033339; AW985894
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC020132
 AGAGGATGGACGGTCTGGTGGCTCAGTGCTCCGCGGGTGTGCAGCAGGAAAGGGAGATTAAGGCTCT
 GACTGCTGAGATCGACCGGCTGAAGAACTGTGGCTGCTTGAAGCTTCTCCAAGTTTGAACAGTTACGA
 GAAGAAAATTTAAATTTGAAGTATAGGCTGAATATTCTTGAAGGAGTCTTCAGGAAGAAAGGAGAAAAAC
 CAACTAAAAACATGATTAACATCAACAGCCGCTGCAGGAAGTCTTTGGCTGTGCCATTAGGGCTGCATA
 TCCAGACTTGGAGAACCCTCCCCTGATCGTGACACCAAGTCAGCAGCCCAAGTTTGGAGACTATCAGTGT
 AATAGTCCATGGGTATTTCTCAGATGCTCAAGGCAAAGGAACAGAAAGTCAGTCCCAGAGAAATCGCAG
 AAAACATTACCAACACCTGCCGAACAATAAATATTGACAAAGTTGAAATTGCCGGTCTGGTTTCAT
 TAATGTGCACCTGAGAAAAGACTTTGTGTCAGAACAGCTAACCAGTCTCCTAGTGAATGGAGTCCAGCTG
 CCTGTGCTTGGAGACAAGGAGAAGTTATAGTTGACTTTTCTCTCCCAACATAGCTAAGGAGATGCATG
 TTGGCCACCTCAGGTCAACCATCATAGGAGAGAGCATGAGCCGCTCTTTGAATTTGAGGATACGATGT
 GCTAAGGTTAAACCATGTAGGAGATTGGGAACCCAGTTTGGCATGCTCATCGCTCACCTGCAAGATAAA
 TTTCCGGATTATCTGACAGTTTACCTCCTATTGGGGATCTGCAGGCCTTTATAAGGAATCTAAGAAGA
 GGTGGTGTGCTGATGAGGAGTTAAGAAGCGAGCCTATCAGTGTGTGTTTTGCTGCAGAGTAAAAACCC
 AGATATCATGAAAGCCTGGAACCTCATCTGTGACGTGTCCGGGAAGAGTTTAAGAAAATCTATGATGCA
 TTGGACATCACTTAATAGAGAGAGGAGAATCCTTCTATCAAGATAGGATGAAGGACATTGTAAAGGAAT
 TTGAAGATAAAGGGTTTGTGCAAGTGGATGATGGCAGAAAAATTGTTCGTGCCTGGGTGTTCTGTGCC
 ATTAACGATAGTGAATCAGATGGGGGCTATACCTATGACACATCTGACCTGGCTGCCATCAACAGAGA
 CTGTTTGAAGAAAAGCAACAAGATTATTTATGTGGTGGACAATGGACAAGCTATACACTCCAGACAA
 TATTTGCTGCTGCTCAGATGATTGGCTGGTATGACCCGAAAGTAACTCTAGTGACCCACGTGGGATTTGG
 TGTCGCTCCTAGGAGAAGACAAGAAGAAATTTAAACACGTTTCAAGTGAAGTGTGCGCCTTATGGACCTG
 CTGGAAGAAGGGCTGAAACGGTCCATGGACAAGCTAAAGGAGAAAGAGAGAGACAAGGTCTTAACCTGAAG
 AGGAATTGAAAGCAGCTCAGACATCCGTTGCATATGGCTGCATCAAATACGCCGACCTTTTCATAATCG
 CCTCAATGACTACATCTTCTCCTTTGACAAGATGCTGGATGACAGAGGGAACACAGCTGCTTACCTACTG
 TATGCCTTCAACGAATCAGGTCTATTGCGCGCCTCGCCAACATTGATGAGGCGATGCTACAGAGAGCCG
 CTCGGAAACCAAGATCATTTTGGACCATGAAAAGGAGTGAAGCTGGGGCGGTGCATCTTACGGTTCCC
 CGAGATCTCCAGAAGATCTTAGACGACCTGTTTCTCCACACCCTCTGTGACTACATTTACGAGCTGGCA
 ACCACCTTACAGAGTTCTACGATAGCTGCTACTGTGGAGAAAGATCGACAGACTGGGAAAGTATTGA
 AAGTGAACATGTGGCGGATGCTCCTGTGTGAGGCCGTGGCTGCTGTCATGGCCAAGGGTTTCGATATACT
 GGGGATAAAACCCGTCAAAGGATGTAATCCTTACGCTGGGAAGTGTTCACAAAGCAGCCATTAGTA
 CTGTTTGTTCCTTAAACAATCATGTGCACACAAGAGTAGTAAAAGAATTTTCACAGCTAAAAAAAAAAAA AAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025936

Insert Size: 1983 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC020132](#), [AAH20132](#)

RefSeq Size: 2104 bp

RefSeq ORF: 1983 bp

Locus ID: 104458

UniProt ID: [Q9D0I9](#)

Cytogenetics: 11 A4

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]