

Product datasheet for **RR206304**

Rars2 (NM_001106643) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rars2 (NM_001106643) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rars2
Synonyms:	Rarsl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206304 representing NM_001106643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTGTGGCTTTCGTAGGTCGATTGCCTGTACAGTTCCAGAGTATTGGCTCTCCACCAGAAAGCT
 TGATTAAGTCTATATCGGCTGTTCCAGTTTCAAAGAAAGAAGAAGTGGCAGATTTTCAGCTTCTGTGGA
 TTCCTTGCTAGAAAAACAACAGTCACAAGTCACAGCTAGACACTCAAGATCAAGCCAGAGACTGGCAGAG
 AAGCTTAAGTGTGATACAGTGGTGACAGCCATCAGTGTGGTCCAAGGACTCTAAATTTCAAATAAACA
 GAGCATTATTAACAAAGGCAGTGTGCAACAAGTAACTGAAGATGGTTCAAATACGGGTAAAAAGTGA
 GCTTTTCTCAGATCTTCCCAGAAAGAGGATTGTGGTTGAATTGAGCTCACCTAATATTGCCAAAAATTT
 CATGTTGGTCATTTGCGCTCCACCATCATAGGAAATTTTATAGCGAATCTAAAAGAAGCTTTAGGACACC
 AAGTGACAAGAATAAATTACATTGGCGATTGGGCGATGCAGTTTGGTCTGCTGGGAACTGGTTCCAGCT
 GTTTGGCTATGAAGAGAACTCCAGGCCAATCCTTTACAGCATCTCTTTGATGTTTATGTACAAGTTAAT
 AAAGAAGCAACTGATGATAAAAAATGTAACCTAAGTTGGCACACGAGTTCTCCACCGACTAGAAGTGGGTG
 ACACGCAGGCCCTGGCCCTGTGGCAGAGATTCCGGGACTTGAGCATTGAAGAATACACCCAGATTTACAA
 GCGTCTTGGAAATATACTTTGATGAATATTCAGGAGAATCATTTTATCGTGAAAAATCTCAAGATGTCTTA
 AAGTTGCTTGACAGCAAAGGACTTCTACAGAAAACAGCAAAGGGGAATGTAGTAGTAGATGTCTCTGAGA
 CTGGCGACCTCTCTTCTGTCTGCACCGTATGCGAAGTATGGAACGCTCTCTATGCAACCAGGGACCT
 TGCAGCTGCCATACATCGCAAGGACAAGTACAACCTTTGACACAATGATTTATGTTGCAGATAAAGGGCAA
 AAAAGGCATTTCCAGCAAGTATTCAAAATGCTGAAGATCATGGGACATGAATGGGAGAAAGTGGCAGC
 ATGTGCCCTTCGGGATAGTAAAGGGAATGAAGACTCGAAGAGGAGAAGTCACTTTTCTGGAAAGATGCTTT
 AAATGAAGTTCAATCAAGGATGTTACAGAACATGGCTTCCATTAAGACAACCAAAAAAATGGAGAACCCT
 CGGGAGACCGCAGAGAAGGTGGGCTGGCAGCTCTCATCATCCAGGACTTCAGAGGCTTGCTCTTATCCG
 ACTATCAGTTCAGTTGGGATCGTGTTCAGAGTCTGGGGACACCGGAGTCTTCTGACGTACACCCA
 CGCCCGCTCTGTAGTCTGGAAGAGACTTTGGATGTGGGTATCTCAATGACTTCAATGTTGCTTGTTTA
 CAAGAGCCACAGTCTGTTTCAATCTCCAGCATCTTCTCAGGTTTCGATGAGGTACTTTATACAGCATCTC
 AGGACCTGCAGCCGAAGCACATCGTTAGTTACCTCTAACCTGAGTACCTTGCAGCTGTGGCACATAA
 AACACTCCAAGTAAAGACAGTCTCTGAAGTGGCTGGGGCCAGACTTACCTTTCAAAGCTGTCCGT
 TCTGTCTTAGCCAATGGAATGAACTTCTTGAATTACACCTGTATGAAAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206304 representing NM_001106643
 Red=Cloning site Green=Tags(s)

MACGFRRSIACQLSRVLALPPESLIKSISAVPVSKKEEVADFQLSVDSLLENNSHKSQLDQDQAQRLAE
 KLKCDTVVTAISAGPRTLNFKINRALLTKAVLQQVTEGSKYGLKSELFSDLPPQKRIVVEFSSPNIAKKF
 HVGHLRSTIIIGNFIANLKEALGHQVTRINYIGDWGMQFGLLGTGFQLFGYEEKLANPLQHLFDVYVQVN
 KEATDDKNVTKLAHEFFHRELELGDQALALWQFRDL SIEEYTIYKRLGIYFDEYSGESFYREKSQDVL
 KLLDSKGLLQKTAKGNVVVDVSETGDLSSVCTVMRSDGTSLYATRDAAAHRKDKYNFDTMIYVADKQG
 KRHFQQVFQMLKIMGHEWAERCQHVPFGIVKGMKTRRGEVTFLEDVLENEVQSRMLQNMASIKTTKMKENP
 RETAEKVGLAALIIQDFRGLLLSDYQFSWDRVFQSRGDTGVFLQYTHARLCSLEETFGCGYLNDFNVA
 QEPQSVSILQHLLRFDEVLYTASQDLQPKHIVSYLLTLSHLAAVAHKTLQVKDSPPEVAGARLHLFKAVR
 SVLANGMKLLGITPVCKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001106643

ORF Size: 1734 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_001106643.2](#), [NP_001100113.1](#)

RefSeq Size: 1886 bp

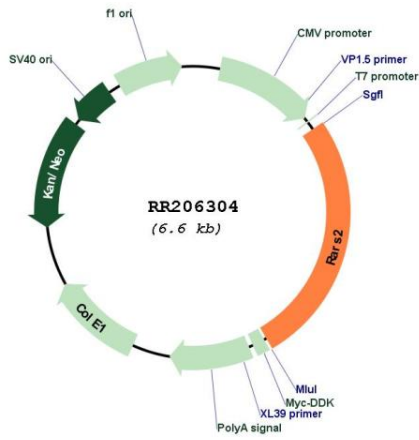
RefSeq ORF: 1737 bp

Locus ID: 297969

Cytogenetics: 5q21

MW: 65.3 kDa

Product images:



Circular map for RR206304