

Product datasheet for MR214020

Rarres1 (NM_001164763) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rarres1 (NM_001164763) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rarres1
Synonyms:	5430417P09Rik; AI662122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214020 representing NM_001164763 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCCCCGTCAACCCCGATGCCAGCGCTGTTGCTGAGCCTCTGGCTGCTGCCGAGCCTCGCACTGG
CCGCTGCTGCTCACTGAGCCCGCGGACCTGGAATACACCGAAGTCCCCGGCAGCCCGCGGCCGTGGGGCT
GCCACGCGGGATCCTGCAGCTGGCGCGCGCTGCGCTGCACTTCTTCAACTCCGCGCGGGCTCGCCC
AGCGCGCTACGGGTGCTGGCCACCGTGCAGGAGGGCCGCGCTGGGTCAACCCTCAAGAAGGCTGCGAAG
TGGACTTGGTATTTAGCACAGAGCAATACAACCCGAGCAGGAAGGTGAACGTTTGGGCAATGTTCTGC
GAGGGTGTTCCTCAAGAATGAAAAACCCAGACCGCCGTTAATGTAACTGCGCAGCGCTCTTTGATAAA
GTGAAGAGACAAGAGAAGGATTATCGGCTTTACAAGCAGATGAAGCAATTGAAGACTCCTCTGCACAGCA
TCAGCATACCTGACAGTCATGGACACATTGATAATCACTGAGACCCCTGTGGGACTTGGCCTTCCTCGG
CAGCTCATACGTGATGTGGGAGAAGACAACCCAGGTCCTGCACTATTACTTGGTCCAGCTCAGCAGTGTG
GAGCGGCTGAAAACGGATGATGACAGCATCGACTTTGACTTCACTGTTCTGCTTCATGAATTCTCCACAC
AGGAAATCATTCCCTGCCGTATTCATTGGTCTGGTACCCAGGTAACCCCTTAAAGTCAATTACCACTG
TCAAGAGCAGCAGAGCCAGAAGAAGCCTCTGGAACATGGAAGCATCAGCTATGGCACC GCCAGAGTTC
GGTAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214020 representing NM_001164763
Red=Cloning site Green=Tags(s)

MQPRQPPMPALLLSLWLLPSLALAAAVTEPADLEYTEVPRQPAAVGLPRGILQLAARAALHFFNFRAGSP
 SALRVLATVQEGRAWNPQEGCEVDL VFSTEQYNPEQEGERLGKCSARVFFKNEKPRPAVNVT CARLFDK
 VKRQEKDYRLYKQMKQLKTP LHSI SIPDSHGHIDNSLRPLWDLAFLGSSYVMWEKTTQV LHYYLVLQSSV
 ERLKTD DDDSIDFDFTVLLHEFSTQEIIPCRIHLVWYPGKPLKVN YHCQEQQSPEEASGTMEASAMAPPEF
 GNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9034_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164763

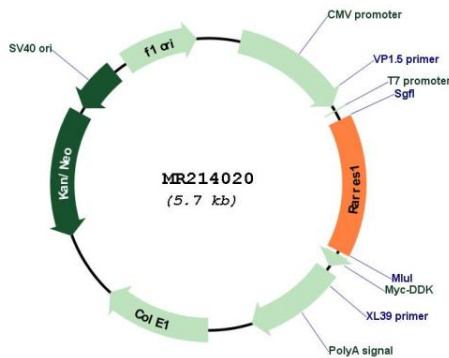
ORF Size: 849 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001164763.1, NP_001158235.1
- RefSeq Size:** 1411 bp
- RefSeq ORF:** 852 bp
- Locus ID:** 109222
- Cytogenetics:** 3 E1
- MW:** 32.5 kDa

Product images:



Circular map for MR214020