

Product datasheet for MR215811

Rimklb (NM_027664) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rimklb (NM_027664) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rimklb
Synonyms:	4931417E21Rik; 4933426K21Rik; AA097693; AI325948; AU015629; Naags
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215811 representing NM_027664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAGCTCAGTGACTGGTAAGCTGTGGTCTTGACAGATCGTCGCATCAGGGAAGACTACCCACAGA
AAGAGATCTTACGAGCGTTGAAGGCCAAATGTTGTGAAGAGGAATTGGACTTTCGGGCTGTGGTATGGA
TGAGATGGTGTGCTGACGGTCGAGCAAGGAAATCTGGGTCTTCGGATCAGTGGAGAGCTAATCTCTGCCTAC
CCACAGGTGGTGGTAGTGAGAGTCCAACCCATGGGTGCAGAGTGATAGTGATATTACTGTTTTGCGCC
ACCTAGAGAAGATGGGATGCCGATTGATGAACCGACCTCAAGCCATCCTTAACTGTGTTAATAAATTCTG
GACATTCGAAGAGTTAGCTGGCCATGGTGTGCCTCTTCCAGATACTTTTTCTTACGGTGGCCACGAAAAC
TTTGCTAAGATGATTGATGAAGCAGAAGTCTGGAGTTCCAATGGTAGTGAAGAATACAAGGGGTCATA
GAGGCAAAGCTGTTTTCTTGGCAGGAGATAAACACCATTTAGCGGATCTAAGCCATCTTATTCGGCATGA
AGCTCCATATTTGTTCCAGAAAACATTAAGAGTCTCATGGAAGGGATGTACGAGTCATTGTTGTGGGA
GGTCGTGTAGTTGGCACCATGCTACGCTGTTCCACAGATGGAAGGATGCAAAGCAACTGTTCCCTAGGCG
GCGTGGGATGATGTGCTCACTGAGTGAACAAGGAAAGCAGCTGGCTATCCAAGTGTCTAATATCCTGGG
GACGGATGTGTGGCATTGACCTGTTGATGAAAGATGACGGCTCCTTCTGTGTCTGCGAGGCCAATGCA
AATGTAGGTTTCATCGCCTTTGATAAGGCTTGTAACTAGATGTAGCTGGTATCATAGCAGACTATGCTG
CCTCCCTTCTGCCCGCTGGCCGGCTCACCCGGCGCATGTCCCTGCTCTGTGGTGTCCACTGCCAGTGA
GACTAGTGAGCCGGAGCTTGGTCCCCCTGCCAGCGCTGCTGTGCAACAATGAGCGCGAGTTCAGCTCT
GTTGATAGCGACCCTGAAAGCACCCAGCGAGAGATGCTACCAAGCTCCAGGGGGCTGTTCAACA
TGAACCAGCTGCTAGCCAATGAAATCAAACCTCTGGTGGAG

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215811 representing NM_027664
Red=Cloning site Green=Tags(s)

MCSSVTGKLWFLTDRRIREDYPQKEILRALKAKCCEEELDFRAVVMDEMVL TVEQGNLGLRISGELISAY
 PQVVVVVPTPWVQSDSDITVLRHLEKMGCRMLMNRPQAILNCVNKFWTFQELAGHGVPDPDTFSYGGHEN
 FAKMIDEAEVLEFPMVVKNTRGHRGKAVFLARDKHHLADL SHLIRHEAPYLFQKYIKESHGRDVRVIVVG
 GRVVGTMRLCSTDRMQSNCSLGGVGMCSLSEQGQLAIQVSNILGTDVCGIDLLMKDDGSFCVCEANA
 NVGFIAFDKACNLDVAGIIADYAASLLPAGRLTRRMSLLSVVSTASETSEPELGPPASAAVDNMSASSSS
 VSDPESTTEREMLTCLPGGLFNMNQLLANEIKLLVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027664

ORF Size: 1161 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_027664.1](#), [NP_081940.1](#)

RefSeq Size: 4017 bp

RefSeq ORF: 1164 bp

Locus ID: 108653

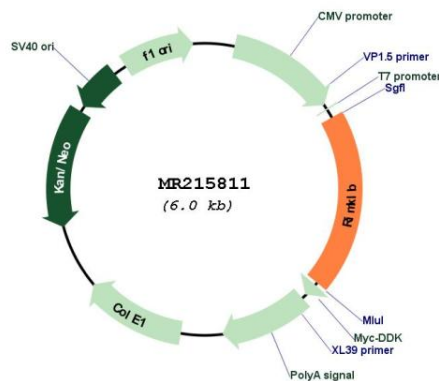
UniProt ID: [Q80WS1](#)

Cytogenetics: 6 F1

MW: 42.5 kDa

Gene Summary: Catalyzes the synthesis of beta-citryl-L-glutamate and N-acetyl-L-aspartyl-L-glutamate. Beta-citryl-L-glutamate is synthesized more efficiently than N-acetyl-L-aspartyl-L-glutamate. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215811