

Product datasheet for **MG215811**

Rimklb (NM_027664) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rimklb (NM_027664) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rimklb
Synonyms:	4931417E21Rik; 4933426K21Rik; AA097693; AI325948; AU015629; Naags
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215811 representing NM_027664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAGCTCAGTGACTGGTAAGCTGTGGTCTTGACAGATCGTCGCATCAGGGAAGACTACCCACAGA
AAGAGATCTTACGAGCGTTGAAGCCAAATGTTGTGAAGAGGAATTGGACTTTCGGGCTGTGGTATGGA
TGAGATGGTGCTGACGGTCGAGCAAGGAAATCTGGGTCTTCGGATCAGTGGAGAGCTAATCTCTGCCTAC
CCACAGGTGGTGGTAGTGAGAGTCCAACCCATGGGTGCAGAGTGATAGTGATATTACTGTTTTGCGCC
ACCTAGAGAAGATGGGATGCCGATTGATGAACCGACCTCAAGCCATCCTTAACTGTGTTAATAAATTCTG
GACATTCGAAGAGTTAGCTGGCCATGGTGTGCCTCTCCAGATACTTTTTCTTACGGTGGCCACGAAAAC
TTTGCTAAGATGATTGATGAAGCAGAAGTCTGGAGTTCCAATGGTAGTGAAGAATACAAGGGGTCATA
GAGGCAAAGCTGTTTTCTTGGCACGAGATAAACACCATTTAGCGGATCTAAGCCATCTTATTCGGCATGA
AGCTCCATATTTGTTCCAGAAAACATTAAGAGTCTCATGGAAGGGATGTACGAGTCATTGTTGTGGGA
GGTCGTGTAGTTGGCACCATGCTACGCTGTTCCACAGATGGAAGGATGCAAAGCAACTGTTCCCTAGGCG
GCGTGGGATGATGTGCTCACTGAGTGAACAAGGAAAGCAGCTGGCTATCCAAGTGTCTAATATCCTGGG
GACGGATGTGTGGCATTGACCTGTTGATGAAAGATGACGGCTCCTTCTGTGTCTGCGAGGCCAATGCA
AATGATAGTTTCATCGCCTTTGATAAGGCTTGTAACTAGATGTAGCTGGTATCATAGCAGACTATGCTG
CCTCCCTTCTGCCGCTGGCCGGCTCACCCGGCGCATGTCCCTGCTCTGTGGTGTCCACTGCCAGTGA
GACTAGTGAGCCGAGCTTGGTCCCCCTGCCAGCGCTGCTGTGCAACAATGAGCGCGAGTTCAGCTCT
GTTGATAGCGACCCTGAAAGCACCCAGCGAGAGATGCTACCAAGCTCCAGGGGGCTGTTCAACA
TGAACCAGCTGCTAGCCAATGAAATCAAACCTCCTGGTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215811 representing NM_027664
Red=Cloning site Green=Tags(s)

MCSSVTGKLWFLTDRRIREDYPQKEILRALKAKCCEEELDFRAVVMDEMVLTVEQNLGLRISGELISAY
 PQVVVVVRVPTPWVQSDSDITVLRHLEKMGCRMLMNRPAILNCVNFWTFQELAGHGVPDPDFFSYGGHEN
 FAKMIDEAEVLEFPMVVKNTRGHRGKAVFLARDKHHLADLSHLIRHEAPYLFQKYIKESHGRDVRVIVVG
 GRVVGTMRLCSTDGRMQSNCSLGGVGMCSLSEQGQLAIQVSNILGTDVCGIDLLMKDDGSFCVCEANA
 NVGFIAFDKACNLDVAGIIADYAASLLPAGRLTRRMSLLSVVSTASETSEPELGPPASAAVDNMSASSSS
 VSDPESTTEREMLTKLPGGLFNMNQLLANEIKLLVE

TRTRPLE - GFP Tag - V

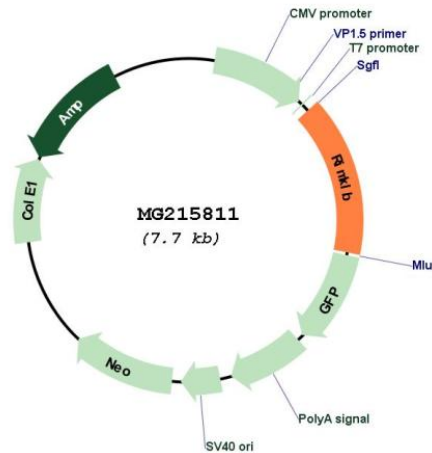
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]