

Product datasheet for **RG207640**

RIMKLB (NM_020734) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RIMKLB (NM_020734) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RIMKLB
Synonyms: FAM80B; NAAGS; NAAGS-I
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207640 representing NM_020734
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGTAGTTCTGTGGCTGCCAAGTTGTGGTTTTTGACAGATCGTCGCATCAGGGAAGACTATCCTCAA
 AAGAGATTTTACGAGCATTGAAGGCCAAATGTTGTGAGGAGGAAGTGGACTTTAGGGCTGTGGTATGGA
 TGAGGTGGTGTGACAATCGAGCAAGGAAACCTGGGTCTGCGGATCAATGGAGAGCTAATCACTGCCTAC
 CCACAAGTGGTGGTAGTCAGAGTACCAACCCCTGGGTGCAAAGTGATAGTGACATCACTGTTTTGCGCC
 ATCTAGAGAAGATGGGATGTCGGTTAATGAACCGACCTCAAGCCATCCTGAAGTAAAGTCTG
 GACATTTCAAGAGTTGGCTGGCCATGGTGTTCCTCTGCCGATACCTTCTTATGGTGGCCACGAAAAT
 TTTGCTAAAATGATTGATGAGGCTGAAGTTCTGGAGTTCCAATGGTAGTAAAGAATACGCGGGTCA
 GAGGTAAGTGTCTTTCTGGCTCGAGATAAGCACCATTGGCTGATCTAAGCCATCTTATTCGCCATGA
 AGCGCCATACCTGTTCCAGAAGTATGTTAAAGAGTCTCATGGACGGGATGTACGTGTCATTGTCGTGGGA
 GGCCGTGTGGTTGGCACCATTGACGTTGTTCAACAGATGGGAGAATGCAAAGCAACTGCTCATTAGGTG
 GTGTGGGATGATGTGCTCATTGAGTGAACAAGGGAAGCAGCTAGCTATCCAGGTGTCTAATATCCTGGG
 GATGGATGTGTGGCATTGACCTGCTGATGAAAGATGACGGCTCCTTCTGCGTCTGTGAGGCCAATGCA
 AATGTAGGTTTCATCGCCTTTGATAAGGCTTGTAACTAGATGTAGCTGGTATCATAGCAGACTATGCCG
 CCTCCCTTCTACCCTCTGGCCGGCTCACCCGGCGTATGTCCCTGCTCTCGTGGTGTCCACTGCCAGTGA
 GACTAGTGAGCCGGAGCTGGGTCCCCAGCCAGCACTGCTGTTGACAACATGAGTGCAAGTTCAGCTCT
 GTTGACAGCGACCCTGAAAGCACGGAGCGAGAGCTGCTACCAAGCTCCCAGGGGCTGTTCAACATGA
 ACCAGCTGCTAGCCAATGAAATCAAACACTGTTGGTGGAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207640 representing NM_020734
 Red=Cloning site Green=Tags(s)

MCSSVAAKLWFLTDRRIREDYPQKEILRALKAKCCEEELDFRAVVMDEVVLTIEQNLGLRINGELITAY
 PQVVVVVRVPTPWVQSDSDITVLRHLEKMGCRMLNRPQAILNCVNFKWFQELAGHGVPDPDTSYGGHEN
 FAKMIDEAEVLEFPMVVKNTRGHRGKAVFLARDKHHLADLSHLIRHEAPYLFQKYVKESHGRDVRVIVVG
 GRVVGTMRLCSTDGRMQSNCSLGGVGMCSLSEQKQLAIQVSNILGMDVCGIDLLMKDDGSFCVCEANA
 NVGFIAFDKACNLDVAGIIADYAASLLPSGRLTRRMSLLSVVSTASETSEPELGPASTAVDNMSASSSS
 VSDPESTERELLTKLPGGLFNMNQLLANEIKLLVD

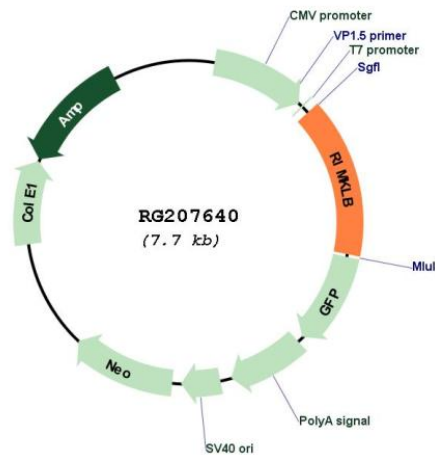
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020734

ORF Size:	1158 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_020734.4
RefSeq Size:	5845 bp
RefSeq ORF:	1161 bp
Locus ID:	57494
UniProt ID:	Q9ULI2
Cytogenetics:	12p13.31
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]