

Product datasheet for **MG205938**

Krr1 (NM_178610) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krr1 (NM_178610) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Krr1
Synonyms: 2610511F02Rik; AI255219; AI428520; D10ErtD773e; Hrb2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205938 representing NM_178610
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAACTTCTGCGGAGGCGCCTGCCAAAGAAGCTCAAAAACGTGACTCTCAGCCGCAGAAACAGAAGC
 GTGAGACCCAAGATGAGGCGGAGCTCCTCACTGTCCCTGATGGTTGGAAGGAACAGCTTTTTCAAAGA
 GGACAATCCCAGAGGACTCTGGAGGAGAGCAGCTTCGCAACCTTGTCCCGAAATACCGCGAGGCTTAC
 CTGAAGGAGTGTGGCCGCTGGTGCAGAAGGCCTGAATGAGCATCATGTTAAAGCAACGCTGGACTTGA
 TCGAGGGTAGCATGACTGTTTGTACAACAAAGAAGACGTTTGACCCTTACATCATCATTAGGGCCCGAGA
 CCTAATAAAGCTCTTGGCCAGGAGCGTTTCCTTTGAACAGGCAGTACGGATACTTCAGGATGATGTTGCG
 TGTGACATCATTAAAATCGGCTCTCTAGTGAGAAATAAAGAGAGGTTTGTGAAGAGAAGACAGCGGCTTA
 TTGGTCCCAAAGGATCCACCTTGAAGGCACTGGAGCTCCTGACAACTGCTACGTCATGGTTTCAGGGGAA
 CACGGTCTCAGCCATCGGACCTTTCAGTGGCCTCAAAGAGGTTTCGAAAAGTAGTCCTTGATACCATGAAG
 AATATCCATCCAATTTATAACATTAACCTTGATGATTAACCGGGAGTTGGCAAAGATTCCGAGTTAC
 GATCACAAAGTTGGGAAAGATTTTTGCCACAGTCAAGCACAAAAATGTGAATAAACGCAAGGAACCGAA
 GAAGAAGAGTGTCAAGAAGGAGTACACGCCCTTCCCGCCCCACAGCCAGAGAGTCAGATTGATAAAGAA
 TTGGCCAGTGGTGAATACTTTTTGAAGGCGAGTCAGAAGAAGCGGCAGAAAATGGAAGCAATAAAGGCTA
 AGCAAGCAGAAGCTCTTACAAAGAGGCAGGAAGAACGAAACAAAGCGTTTATTCCACCTAAGGAAAAGCC
 AGCTGTGAAGCCAAAGGAAGCTTCTACCGAACTAAGATTGATGTGGCTGCTATCAAGGAAAAGGTTAAG
 AAAGCAAAGACGAAGAACTGGGCGCTCTTACAGCGGAGGAAGTTAAGCTCAAGATGGAGGCTGACGAAA
 AGAAGCAGAAGAGAAAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205938 representing NM_178610
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MATSAEAPAKEAQKRDSQPQKQKRETQDEAELLTPVDGWKEPAF SKEDNPRGLLEESSFATLFPKYREAY
 LKECWPLVQKALNEHHVKATLDLIEGSM TVCTTKTFDPYIIIRARDLIKLLARSVSFEQAVRILQDDVA
 CDI IKIGSLVRNKERFVKRRQR LIGPKGSTLKALELLTNCYVMVQGN TVSAIGPFSGLKEVRKVVLDTMK
 NIHP IYNIKTLMIKRELAKDSELR SQSWERFLPQFKHKNVNRKEPKKKS VKKEYTPFP PPSQIDKE
 LASGEYFLKASQK RQKMEAIKAKQAEALTKRQEERNKAFIPPK EKP AVKPK EAS TETKIDVAAI KEKVK
 KAKTKKL GALTAE EVK LKMEADEKKQKRKK

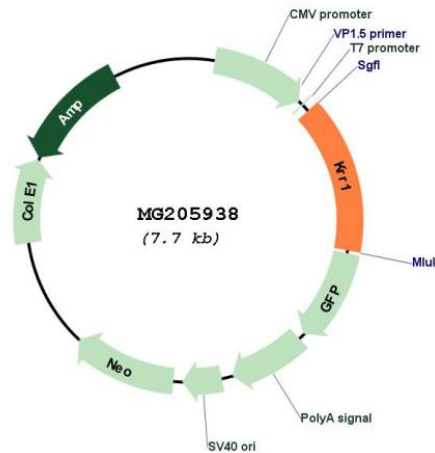
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178610

ORF Size:	1140 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_178610.4 , NP_848725.2
RefSeq Size:	3556 bp
RefSeq ORF:	1143 bp
Locus ID:	52705
UniProt ID:	Q8BGA5
Cytogenetics:	10 59.97 cM
Gene Summary:	Required for 40S ribosome biogenesis. Involved in nucleolar processing of pre-18S ribosomal RNA and ribosome assembly (By similarity).[UniProtKB/Swiss-Prot Function]