

Product datasheet for MR205938

Krr1 (NM_178610) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krr1 (NM_178610) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krr1
Synonyms:	2610511F02Rik; AI255219; AI428520; D10ErtD773e; Hrb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205938 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACTTCTGCGGAGGCGCCTGCCAAAGAAGCTCAAAAACGTGACTCTCAGCCGAGAAACAGAAGC
GTGAGACCCAAGATGAGGCGGAGCTCCTCACTGTCCCTGATGGTTGGAAGGAACAGCTTTTTCAAAGA
GGACAATCCCAGAGGACTCTGGAGGAGAGCAGCTTCGCAACCTTGTTCCCGAAATACCGCAGGCTTAC
CTGAAGGAGTGTGGCCGCTGGTGCAGAAGGCCTGAATGAGCATCATGTTAAAGCAACGCTGGACTTGA
TCGAGGGTAGCATGACTGTTTGTACAACAAAGAAGACGTTTGACCCTTACATCATCATTAGGGCCCGAGA
CCTAATAAAGCTCTTGCCAGGAGCGTTTCCTTTGAACAGGCAGTACGGATACTTCAGGATGATGTTGCG
TGTGACATCATTAAAATCGGCTCTCTAGTGAGAAATAAAGAGAGGTTTGTGAAGAGAAGCAGCGGCTTA
TTGGTCCCAAAGGATCCACCTTGAAGGCACTGGAGCTCCTGACAACTGCTACGTCATGGTTCAGGGGAA
CACGGTCTCAGCCATCGGACCTTTCAGTGGCCTCAAAGAGGTTGAAAAGTAGTCCTTGATACCATGAAG
AATATCCATCAAATTTATAACATTAACCTTGATGATTAACCGGAGTTGGCAAAGATTCCGAGTTAC
GATCACAAAGTTGGGAAAGATTTTTGCCACAGTCAAGCACAAAATGTGAATAAACGCAAGGAACCGAA
GAAGAAGAGTGTCAAGAAGGAGTACACGCCCTTCCCGCCCCACAGCCAGAGAGTCAGATTGATAAAGAA
TTGGCCAGTGGTGAATACTTTTTGAAGGCGAGTCAGAAGAAGCGGCAGAAAATGGAAGCAATAAAGGCTA
AGCAAGCAGAAGCTTTACAAAGAGGCAGGAAGAACGAAACAAAGCGTTTATTCCACCTAAGGAAAAGCC
AGCTGTGAAGCCAAAGGAAGCTTCTACCGAACTAAGATTGATGTGGCTGCTATCAAGGAAAAGGTTAAG
AAAGCAAAGACGAAGAACTGGGCGCTTACAGCGGAGGAAGTTAAGCTCAAGATGGAGGCTGACGAAA
AGAAGCAGAAGAGAAAAAAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205938 protein sequence
Red=Cloning site Green=Tags(s)

MATSAEAPAKEAQKRDSQPQKQKRETQDEAELLTPVDGWKEPAF SKEDNPRGLLEESSFATLFPKYREAY
 LKECWPLVQKALNEHHVKATLDLIEGSM TVCTTKTFDPYIIIRARDLIKLLARSVSFEQAVRILQDDVA
 CDIIKIGSLVRNKERFVRRRQRLIGPKGSTLKALELLTNCYVMVQGN TVSAIGPFSGLKEVRKVLDTMK
 NIHPYNIKTLMIKRELAKDSELR SQSWERFLPQFKHKNVNRKKEPKKSVKKEYTPFP PPSQIDKE
 LASGEYFLKASQKQRQMEAIKAKQAEALTRQ EERNKAFIPPKKPAVKPKPEASTETKIDVAAIKEKVK
 KAKTKL GALTAEEVKLMEADEKKQKRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178610

ORF Size: 1143 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_178610.4](#), [NP_848725.2](#)

RefSeq Size: 4990 bp

RefSeq ORF: 1143 bp

Locus ID: 52705

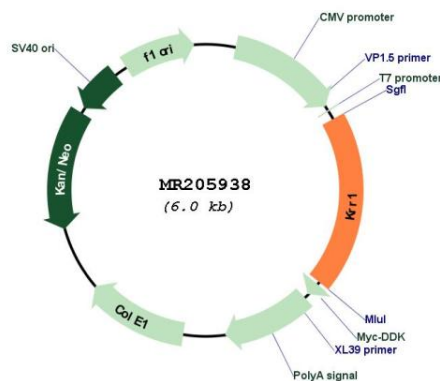
UniProt ID: [Q8BGA5](#)

Cytogenetics: 10 59.97 cM

MW: 43.5 kDa

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]

Product images:



Circular map for MR205938