

Product datasheet for **RG206028**

KRR1 (NM_007043) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRR1 (NM_007043) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRR1
Synonyms:	HRB2; RIP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206028 representing NM_007043 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTCCCTCGCTGGAGCGGCCAGAAAAAGGCGCTGAAAAAGTGAATTCGTAACCCAGAAGCCGA
AGCCGGAGAACCAAGATGAATCAGAACTCCTTACGGTTCCTGATGGTTGGAAGGAACCAGCTTTTCCAA
AGAGGACAATCCCAGAGGACTTTTGGAGGAGAGCAGTTTCGCAACTTTGTTCCAAAATACAGGGAAGCT
TACTTGAAGAGTGTGGCCATTGGTGCAGAAAGCCTTAAATGAACATCATGTTAATGCAACCCTGGACC
TGATCGAAGGCAGCATGACTGTTTGTACTACAAAGAAGACTTTTGTATCCATATATCATCATTAGGGCCAG
AGATCTGATAAACTGTTAGCAAGGAGTGTTCATTTGAACAGGCAGTACGAATTCCTCAGGATGATGTT
GCATGTGACATCATTAAAATAGTTCTTTAGTAAGGAATAAAGAGAGATTTGTAACGAAGACAACGGC
TTATTGGTCCCAAAGGATCTACATTGAAGGCATTGGAACCTTAACTAATTGTTACATTATGGTTACGGG
AAACACAGTTTCAGCCATTGGACCTTTTAGTGGCTTAAAGAGGTTAGAAAAGTAGTCTTGATACTATG
AAGAATATTCATCCAATTTATAACATTAAGCTTAAATGATTAAGAGAGAGTTGGCAAAGATTCTGAAT
TACGATCACAAGTTGGGAGAGATTTTGGCCACAGTTCAAGCACAAAAATGTGAATAACGCAAGGAACC
AAAGAAAAAACTGTTAAGAAAGAATATACGCCATTCCCACCACCACAACCAGGAAGTCAGATCGATAAA
GAATTGGCTAGTGGTGAATACTTTTGAAGGCAAATCAGAAGAAGCGGCAGAAAAATGGAAGCAATAAAGG
CTAAACAAGCAGAAGCCATCAGTAAGAGACAAGAGGAAAAGAAACAAGCATTATTCCACCTAAGGAAAA
ACCAATTGTGAAACCTAAGGAAGCTTCTACTGAAGCTAAAATTGATGTGGCCAGCATCAAGGAAAAGGTT
AAGAAAGCAAAGAATAAGAAACTGGGAGCTTTACAGCTGAAGAAATTGCACTTAAGATGGAGGCAGATG
AAAAGAAAAAGAAGAAAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG206028 representing NM_007043
 Red=Cloning site Green=Tags(s)

MASPSLERPEKGAGKSEFRNQPKPENQDESELLTVPDGWKEPAFSKEDNPRGLLEESSFATLFPKYREA
 YLKECWPLVQKALNEHHVNATLDLIEGSMTVCTTKKTFDPYIIIRARDLIKLLARSVSFEQAVRILQDDV
 ACDI I K I G S L V R N K E R F V K R R Q R L I G P K G S T L K A L E L L T N C Y I M V Q G N T V S A I G P F S G L K E V R K V L D T M
 K N I H P I Y N I K S L M I K R E L A K D S E L R S Q S W E R F L P Q F K H K N V N K R K E P K K K T V K K E Y T P F P P P Q P G S Q I D K
 E L A S G E Y F L K A N Q K R Q K M E A I K A K Q A E A I S K R Q E E R N K A F I P P K E K P I V K P K E A S T E A K I D V A S I K E K V
 K K A K N K K L G A L T A E E I A L K M E A D E K K K K K K K

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007043

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_007043.5](#)

RefSeq Size: 3357 bp

RefSeq ORF: 1146 bp

Locus ID: 11103

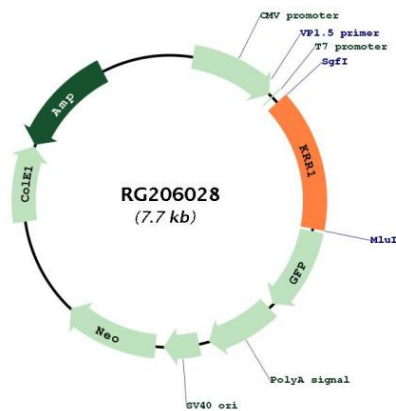
UniProt ID: [Q13601](#)

Cytogenetics: 12q21.2

Domains: KH

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 RG206028