

Product datasheet for **RR206038**

Rpl14 (NM_022949) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl14 (NM_022949) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206038 representing NM_022949
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTT**CAGGCGTTTCGTGGAGGTTGGCCGAGTGGCCTACATCTCCTTTGGGCCCATGCTGAAAGC**
TGGTCGCAATCGTAGATGTTATTGATCAAAACAGGGCTTTAGTGGATGGACCTGCACCCGGGTGAGGAG
ACAGGCCATGCCTTTCAAATGCATGCAGCTCACTGACTTCATCCTCAAGTCCCACACAGTGCAGCCAG
AAGTATGTACGGAAAGCTTGGGAGAAGGCAGACATCAATACAAAGTGGCCGCCACACGATGGGCCAAGA
AAATTGATGCCAGAGAAAGGAAAGCCAAGATGACAGATTTTGTATCGTTCAAAGTCATGAAGGCAAGAA
AATGAGGAACAGAATAATCAAGACTGAAGTGAAGAACTCCAGAGAGCTGCTCTCCTGAAAGCTTCTCCT
AAAAAAGCTGCTGTTGCTAAGGCTGCCATTGCGGCCGCTGCAGCAGCTAAAGCCAAGTCCAGCCAAGA
AGGCAACAGGACCAGGCCAGAAGGCCGAGGCCAGAAGGCCGAGGCCAGAAGGCCCTCTGCACAGAAGGC
TGCAGGCCAGAAGGCAGCGCCCCCTGCTAAAGGTCAGAAGGGTCAGAAGACCCCGGCCAGAAGGCACCT
GCTCAAAGGCAGCTGGCAAGAAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206038 representing NM_022949
Red=Cloning site Green=Tags(s)

MVFRRFVEVGRVAYISFGPHAGKLVAVDVIDQNRALVDGPCTRVRRQAMPFKCMQLTDFILKFPHSARQ
KYVRKAWEKADINTKWAATRWAKKIDARERKAKMTDFDRFKVMKAKKMRNRIIKTEVKKLQRAALLKASP
KKA AVAKAAIAAAAAAKAKVPAKKATGPGQKAAGQKAAGQKASAQKAAGQKAAPPKAGQKQKTPAQKAP
APKAAGKKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022949

ORF Size: 657 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_022949.2](#), [NP_075238.2](#)

RefSeq Size: 716 bp

RefSeq ORF: 660 bp

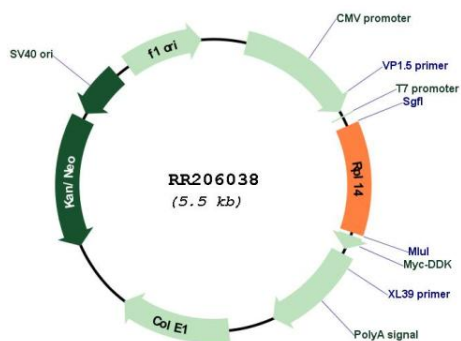
Locus ID: 65043

Cytogenetics: 8q32

MW: 23.8 kDa

Gene Summary: 60S ribosomal subunit protein [RGD, Feb 2006]

Product images:



Circular map for RR206038