

Product datasheet for RR211658

Rpl17 (NM_201415) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl17 (NM_201415) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl17
Synonyms: ASI; rpL23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211658 representing NM_201415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTCGCTACTCCCTTGACCCAGAAAACCCACGAAATCATGCAAGTCAAGAGGCTCAAACCTTCGTG
 TTCACCTTAAGAACACCCGGGAACTGCCAGGCCATCAAGGGTATGCATATCCGCAAAGCCACCAAGTA
 TCTGAAGGATGTCACCTTAAAGAAGCAGTGTGTGCCATTCGGCGGTATAACGGTGGAGTTGGTAGGTGC
 GCCAGGCCAAACAGTGGGGCTGGACACAGGGACGGTGGCCAAAAAAGAGTGTGAATTTTGTGCACA
 TGCTTAAAAATGCAGAGAGTAATGCTGAACTTAAGGGTTTGGATGTAGACTCTCTGGTCATTGAACACAT
 CCAGGTGAACAAGGCTCCTAAGATGCGCAGACGGACCTACAGAGCTCACGGCCGGATTAACCCATACATG
 AGCTCCCCTGCCACATCGAAATGATCCTCACTGAGAAGGAACAGATTGTTCCAAAGCCAGAAGAGGAGG
 TTGCACAGAAGAAAAAGATATCCAGAAGAAATTGAAGAAACAAAAGCTCATGGCACGGGAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211658 representing NM_201415
 Red=Cloning site Green=Tags(s)

MVRYSLDPENPTKSKSRGSLRVHFKNTRETAQAIKGMHIRKATKYLKDVTLKKQCVFRRYNGGVGRC
 AQAKQWGTQGRWPKSAEFLHMLKNAESNAELKGLDVDSLVIHQVKNKAPKMRRTYRAHGRINPYM
 SSPCHIEMILTEKEQIVPKPEEEVAQKKKISQKLLKKQKLMARE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

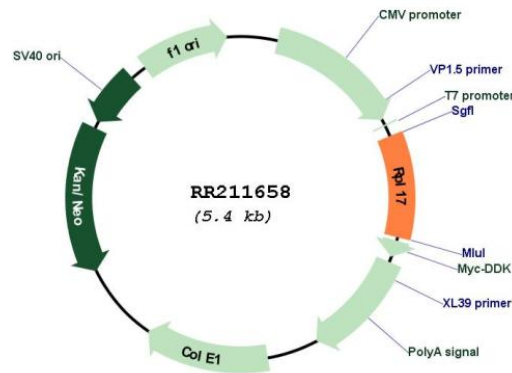
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_201415

ORF Size: 552 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:	<u>NM_201415.1</u> , <u>NP_958818.1</u>
RefSeq Size:	631 bp
RefSeq ORF:	555 bp
Locus ID:	291434
UniProt ID:	<u>P24049</u>
Cytogenetics:	18q12.2
MW:	21.4 kDa
Gene Summary:	component of the 60S subunit of the ribosome, the organelles that catalyze protein synthesis; member of the L22P family of ribosomal proteins; induced under amino acid deprivation of cells [RGD, Feb 2006]