

Product datasheet for **RR201876**

Mrpl17 (NM_133539) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl17 (NM_133539) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrpl17
Synonyms:	L17mt; MRP-L17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201876 representing NM_133539 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGGCTACGCGGAGAAGCTCATCGACTATGGAAAGCTGGGAGACCAACGAACGAGCCATGCGTA
 TTGCTGACTTCTGGCTCACTGAGAAGGACTTGATCCCAAAGCTGTTAAAGTGCTAGCGCCTCGGTTCCC
 AAAGGGTCAGAATTGCACTACACAAGAATGCTACAGATCCCGAATCGAAAGGAACAAGATCGGGCCAAG
 ATGGCAGTGATAGAATATAAGGGGAAGTGCCTCCCTCCCTGCCTCTGCCTCACAGAGATAGCAACCTTA
 CTCTCTAAACCAGCTACTCCTGGGACTGCAGCAGGACCTGCACCATAACCAGAAAGCAAGCCTCCACAG
 CTCCCATACAGTCAAACACCAAAGACTTAAGTGGAGCTGGAGAGTGCATAGGTGTGGTACCTGTGTGGT
 GGGTCTTGAGGCTCTTGTAGTGTGCGACCTTGAAGTGGCATTGTGGAGCCCCCTCATAATGAGGCCCA
 GACCTCCCTGCTGCCTAGAATTGATCCTCTTGCACAGTCGATAAAATCCTTGATATGCATATACGACAC
 TGACTTTCTTTCTTCCTCGGATTTCTGGAACATAAGGAACATGCAGATGCTCAGCCTCCTACGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR201876 representing NM_133539 Red=Cloning site Green=Tags(s)
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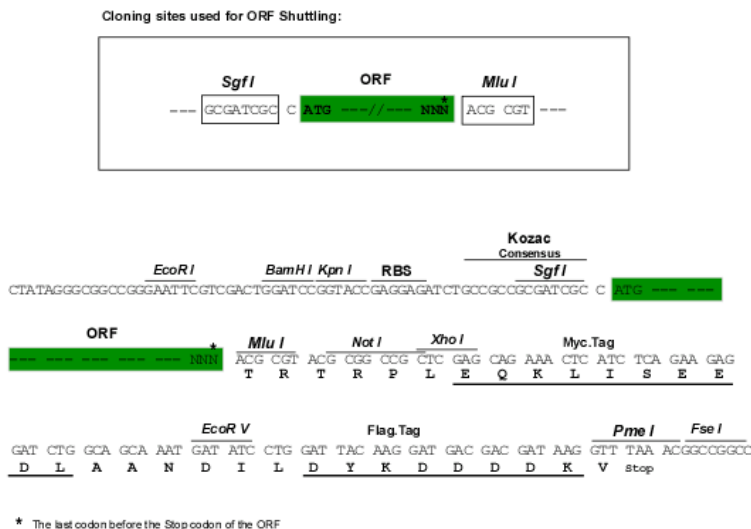
MRGYAEKLIDYGLGDTNERAMRIADFWLTEKDLIPKLFKVLAPRFPKGQNCNYTRMLQIPNRKEQDRAK
 MAVIEYKGNCLPPLPLPHRDSNLTLLNQLLLGLQDLHHNQKASLHSSHTVKHQRNLNWSRVHRCGTCVG
 GSWSSCSVCDLEVALWSPLIMRPRPPCCELEILFAQSIKSLICIYDTDFLFLPSDFWNIRNMQMLSLLRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_133539

ORF Size: 630 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_133539.1](#), [NP_598223.1](#)

RefSeq Size: 1102 bp

RefSeq ORF: 531 bp

Locus ID: 171061

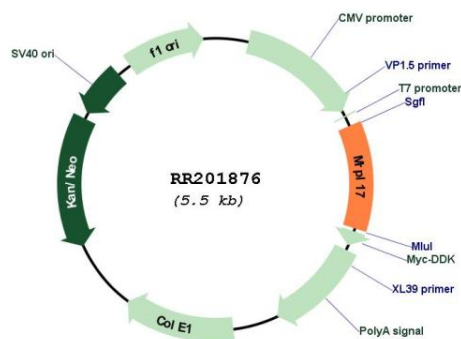
UniProt ID: Q6PDW6

Cytogenetics: 1q32

MW: 24.4 kDa

Gene Summary: may act as a structural constituent of the ribosome; may be associated with a Na(+)/Ca(2+) exchanger [RGD, Feb 2006]

Product images:



Circular map for RR201876