

## Product datasheet for MR204113

### Rpl5 (BC026934) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl5 (BC026934) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpl5
Synonyms:	U21RNA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204113 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTTTGTGAAAGTTGTCAAGAATAAGGCCTACTTTAAAAGATACCAAGTGAGATTTGGAAGCGGC  
GAGAGGGTAAAAGTACTACTATGCTCGAAAACGATTGGTGATCCAGGACAAGAATAAGTACAACACACC  
CAAATATAGGATGATAGTTCGTGTAACAGAGATATCATCTGCCAGATTGCATATGCCCGTATAGAA  
GGGATATGATCGTCTGTGCAGCATATGCACATGAACTCCAAAATATGGTGTGAAAGTTGGCCTGACAA  
ATTATGCTGCAGCCTATTGCACTGGCCTGCTGCTGGCCCGCAGGCTTCTGAATAGTTTGGCATGGACAA  
GATCTATGAAGGCCAAGTGGAGGTGAATGGAGGTGAATACAATGTGGAAGCATTGACGGTCAGCCTGGT  
GCCTTCACTTGCTATCTGGATGCAGTCTTGCCCGAACTACAAGTGGCAATAAAGTTTTTGGGGCCCTGA  
AGGGAGCTGTGGATGGAGGCTTGTCTATCCCTCATAGTACCAAACGATTCCCTGGTTATGACTCTGAAA  
CAAGGAGTTCAATGCAGAGGTACATCGGAAGCACATCATGGGTGAGAATGTGGCAGACTACATGCGCTAC  
CTAATGGAGGAAGATGAAGATGCGTATAAGAAACAGTTCTCTCAGTACATCAAGAACAACGTAATCCAG  
ACATGATGGAGGAGATGTATAAGAAAGCTCATGCTGCTATCCGAGAGAATCCAGTCTATGAGAAGAAGCC  
CAAGAGAGAAGTGAAGAAGAAGAGGTGGAATCGTCCAAAATGTCTTTGCCAGAAAGAAGATCGGGTT  
GCTCAAAAAGAAGCAAGCTTCTCAGAGCTCAGGAAAGGGCTGCTGAAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204113 protein sequence  
 Red=Cloning site Green=Tags(s)

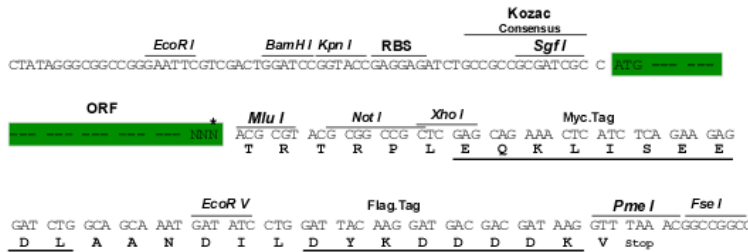
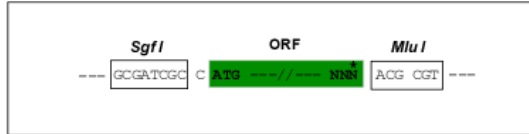
MGFVKVVKNKAYFKRYQVRFRRRREGKTDYYARKRLVIQDKNKYNTPKYRMIVRVVTRNDIICQIAYARIE  
 GDMIVCAAAYAHLPKYGVKVL TNYAAAAYCTGLLLARRLLNRFMDKIYEGQVEVNGGEYNVESIDGQPG  
 AFTCYLDAGLARTTTGNKVFGALKGAVDGGLSIPHSTKRFPYDSESKEFNAEVHRKHIMGQNVADYMR  
 LMEEDEDAYKKQFSQYIKNNVTPDMMEEMYKKAHAAIRENPVYEKKPKREVKKRWRNRPKMSLAQKKDRV  
 AQKKASFLRAQERAES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC026934

**ORF Size:** 891 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:** [BC026934](#), [AAH26934](#)

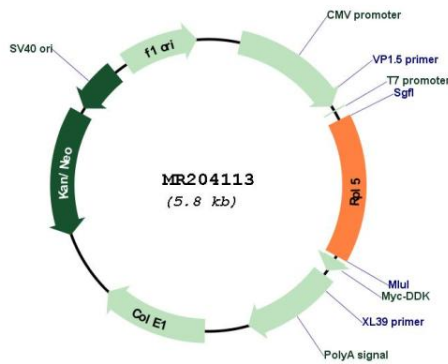
**RefSeq Size:** 1015 bp

**RefSeq ORF:** 893 bp

**Locus ID:** 19983

**MW:** 34.4 kDa

**Product images:**



Circular map for MR204113