

## Product datasheet for **MR203583**

### Rpl7 (NM\_011291) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl7 (NM_011291) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpl7
Synonyms:	Rpl7a; Surf-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203583 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCTGTTCCAGAGAAGAAAAAGAAGTTGCCACTGTGCCAGGAACCCCTTAAGAAAAAGTTCTCTG  
CTGGGCCAAAACTCTCAAGAAAAAGTTCCCGCTGTGCCAGAAACCTCAAGAAAAAGCGAAGGAATTT  
CGCAGAGTTGAAGGTGAAGCGCCTGAGGAAGAAGTTGCCCTGAAGACACTTCGAAAGGCAAGGAGGAAG  
CTCATCTATGAGAAGCAAAGCACTATCACAAGGAGTACGGGCAGATGTACCGCACTGAGATTCGGATGG  
CCAGGATGGCAAGGAAAGCTGGCAACTTCTATGTGCCCGCAGAACCAAAGCTGGCCTTTGTCATCAGAAT  
TCGAGGTATCAATGGAGTAAGCCCAAAGTTTCGTAAAGTTCTGCAGCTCCTTCGTCTCGACAGATCTTC  
AATGGCACCTTTGTTAAGCTCAACAAGGCTCAATTAACATGCTGCGGATTGTGGAGCCATACATTGCAT  
GGGGGTACCCCAACCTGAAGTCAGTAAACGAGCTCATCTACAAGCGAGGCTACGGCAAAATCAACAAGAA  
GCGGATTGCCCTTGACAGATAATTCCTTGATTGCTCGGTCTCTGGTAAGTTTGGCATCATCTGCATGGAG  
GATCTAATTCATGAGATCTATACAGTCGGGAAACGCTTCAAGGAAGCAAATAACTTCTGTGGCCCTTCA  
AGTTATCTTCCCCACGAGGTGGGATGAAGAAAAAGACAACCTCACTTTGTAGAAGTGGAGATGCTGGCAA  
CAGGGAAGACCAGATAAACAGGCTTATTAGACGGATGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203583 protein sequence  
 Red=Cloning site Green=Tags(s)

MEAVPEKKKKVATVPGTLKKKVPAGPKTLKKKVPVAVPETLKKKRRNF AELKVKRLRKKFALKTLRKARRK  
 LIYEKAKHYHKEYGQMYRTEIRMARMARKAGNFYVPAEPKLA FVIRIRINGVSPKVRKVLQLLRLRQIF  
 NGTFVKLNKASINMLRIVEPYIAWGYPNLKSVNELIYKRGYGKINKKRIAL TDNSLIARSLGKFGIICME  
 DL IHEIYTVGKR FKEANNFLWPFKLSSPRGGMKKKTTHFVEGGDAGNREDQINRLIRRMN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_011291

**ORF Size:** 813 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\\_011291.1](#), [NM\\_011291.2](#), [NM\\_011291.3](#), [NM\\_011291.4](#), [NM\\_011291.5](#), [NP\\_035421.2](#)

**RefSeq Size:** 937 bp

**RefSeq ORF:** 813 bp

**Locus ID:** 19989

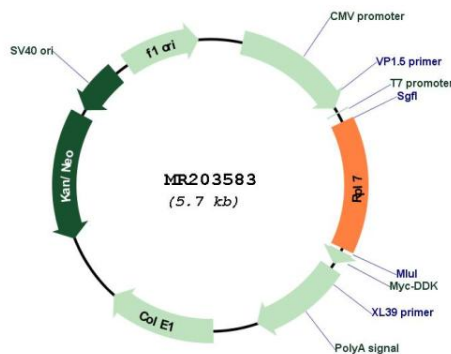
**UniProt ID:** [P14148](#)

**Cytogenetics:** 1 A3

**MW:** 31.3 kDa

**Gene Summary:** Component of the large ribosomal subunit (By similarity). Binds to G-rich structures in 28S rRNA and in mRNAs. Plays a regulatory role in the translation apparatus; inhibits cell-free translation of mRNAs (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203583