

Product datasheet for **MG203583**

Rpl7 (NM_011291) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rpl7 (NM_011291) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Rpl7
 Synonyms: Rpl7a; Surf-3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 Restriction Sites: SgfI-MluI
 Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCCGCGATCGCCGCGCCAGATCT

EcoR I BamH I Kpn I RBS Kozac Consensus Sgf I Asc I

CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

Hind III Nhe I Rsr II Mlu I Not I Xho I GFP Tag

T R T R P L E M E S D - - -

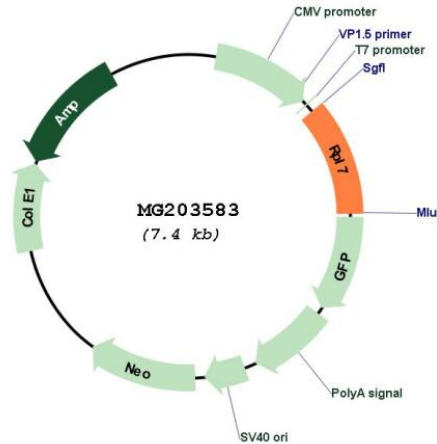
--- --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT

- - - E E R V stop



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Plasmid Map:



ACCN: NM_011291

ORF Size: 810 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_011291.2](#), [NP_035421.2](#)

RefSeq Size: 906 bp

RefSeq ORF: 813 bp

Locus ID: 19989

UniProt ID: [P14148](#)

Cytogenetics: 1 A3

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]