

Product datasheet for **MG201173**

Rpl23a (BC029892) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl23a (BC029892) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rpl23a
Synonyms: MDA20, MGC36820
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201173 representing BC029892
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGAAAGCGAAGAAGGAAGCTCCTGCCCTCCCAAAGCCGAAGCCAAAGCGAAGGCCTTAAAAG
 CTAGAAGGCGGTGCTGAAAGGCGTCCACAGCCACAAAAGAAGAAGATCCGAACGTCACCCACCTCCG
 GCGGCCAAGACCCTGCGGCTCCGAGGCAGCCAAAATATCCTCGGAAGAGTGCGCCAGGAGAAACAAG
 CTTGACCACTATGCTATCATCAAATCCCCTGACCACGGAGTCAGCCATGAAGAAAATAGAGGACAACA
 AACTCTTGTGTTCAATTGTGGATGTCAAGGCCAATAAGCATCAGATCAAACAGGCTGTCAAGAACTCTA
 TGACATCGATGTGCCAAAGTCAATACCCTGATAAGGCCGACGGAGAGAAGAAGCGTATGTTTCGTTG
 GCTCCTGATTATGATGCCCTAGATGTTGCCAACAGATTGGGATCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201173 representing BC029892
 Red=Cloning site Green=Tags(s)

MAPKAKKEAPAPPKAEAKAKALKAKKAVLKGVHSHKKKIRTSPTFRPKTLRLRRPKYPRKSAPRRNK
 LDHYAIIKFPLTTESAMKKIEDNNTLVFIVDVKANKHQIKQAVKKLYDIDVAKVNTLIRPDGEKKAYVRL
 APDYDALDVANKIGII

TRTRPLE - GFP Tag - V

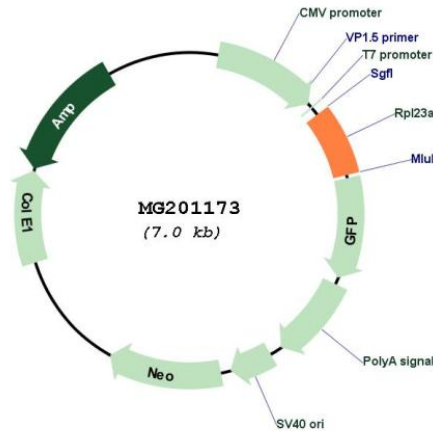
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: BC029892

ORF Size: 470 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>BC029892</u> , <u>AAH29892</u>
RefSeq Size:	531 bp
RefSeq ORF:	470 bp
Locus ID:	268449
Cytogenetics:	11 B5
Gene Summary:	Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell. Binds a specific region on the 26S rRNA (By similarity). May promote p53/TP53 degradation possibly through the stimulation of MDM2-mediated TP53 polyubiquitination (By similarity).[UniProtKB/Swiss-Prot Function]