

Product datasheet for **RR213301**

Rpl23a (NM_001108283) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl23a (NM_001108283) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl23a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213301 representing NM_001108283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGCCGAAAGCGAAGAAGGAAGCTCCTGCCCTCCCAAAGCCGAAGCCAAAGCGAAGGCCTTAAAAG
CTAAGAAGGCAGTGTGAAAGGTGTCCACAGTCACAAAAAGAAGAAGATCCGAACGTCACCCACTTTCCG
CGGGCCCAAGACCCTGCGGCTCCGGAGGCAGCCAAAATATCCTCGAAAGAGTGCACCCAGGAGAAACAAG
CTTGACCACTATGCTATCATCAAATCCCACTGACCACCGAGTCAGCTATGAAGAAAATAGAGGACAACA
ACACGCTTGTGTTCAATTGTGGATGTTAAGGCCAACAGCACCAGATCAAACAGGCCGTGAAAAACTCTA
TGATATAGATGTGGCCAAAGTCAATACTCTGATACGGCCTGACGGAGAGAAGAAGGCATATGTTCCGTTG
GCTCCTGATTATGATGCTCTAGATGTTGCCAACAGATTGGGATCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213301 representing NM_001108283
Red=Cloning site Green=Tags(s)

MAPKAKKEAPAPPKAEAKAKALKAKKAVLKGVHSHKHKKIRTSPTRRPKTLRLRRQPKYPRKSAPRRNK
LDHYAIIKFPLTTESAMKKIEDNNLTVFIVDVKANKHQIKQAVKKLYDIDVAKVNTLIRPDGKKAAYVRL
APDYDALDVANKIGII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

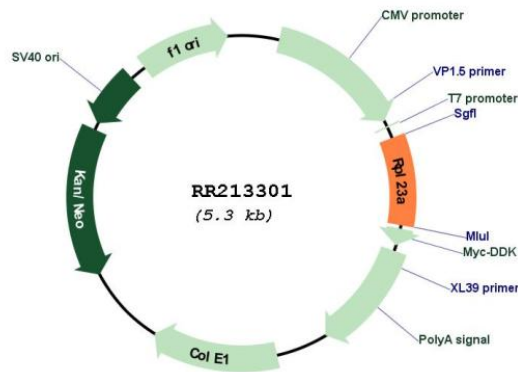


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001108283

ORF Size: 468 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>NM_001108283.1</u> , <u>NP_001101753.1</u>
RefSeq Size:	564 bp
RefSeq ORF:	471 bp
Locus ID:	360572
UniProt ID:	<u>P62752</u>
Cytogenetics:	10q25
MW:	17.7 kDa
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]