

Product datasheet for **RN213301**

Rpl23a (NM_001108283) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl23a (NM_001108283) Rat Untagged Clone
Tag: Tag Free
Symbol: Rpl23a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213301 representing NM_001108283
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGCCGAAAGCGAAGAAGGAAGCTCCTGCCCTCCCAAAGCCGAAGCCAAAGCGAAGGCCTTGAAG
CTAAGAAGGCAGTGTGAAAGGTGTCCACAGTCACAAAAAGAAGAAGATCCGAACGTCACCCACTTTCCG
GCGGCCCAAGACCCTGCGGCTCCGGAGGCAGCCAAAATATCCTCGAAAGAGTGCACCCAGGAGAAACAAG
CTTGACCACTATGCTATCATCAAATCCCACTGACCACCGAGTCAGCTATGAAGAAAATAGAGGACAACA
ACACGCTTGTGTTTATTGTGGATGTTAAGCGCAACAAGCACAGATCAAACAGGCCGTGAAAAACTCTA
TGATATAGATGTGGCCAAAGTCAATACTCTGATACGGCCTGACGGAGAGAAGAAGGCATATGTTGCTTG
GCTCCTGATTATGATGCTCTAGATGTTGCCAACAGATTGGGATCATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108283
Insert Size: 471 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001108283.1](#), [NP_001101753.1](#)

RefSeq Size: 564 bp

RefSeq ORF: 471 bp

Locus ID: 360572

UniProt ID: [P62752](#)

Cytogenetics: 10q25

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]