

Product datasheet for **RC231902**

RPL18 (NM_001270490) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL18 (NM_001270490) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPL18
Synonyms: DBA18; L18
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231902 representing NM_001270490
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTATACAGGTTTCTGGCCAGAAGAACCAACTCCACATTCAACCAGGTTGTGTTGAAGAGGTTGTTTA
TGAGTCGCACCAACCGGCCGCTCTGTCCCTTTCCGGATGATCCGGAAGATGAAGCTTCTGGCCGGGA
AAACAAGACGGCGTGGTTGTGGGGACCATAACTGATGATGTGCGGGTTCAGGAGGTACCCAACTGAAG
GTATGTGCACTGCGCGTGACCAGCCGGGCCGACGCCGATCCTCAGGGCAGGGGCAAGATCCTCACTT
TCGACCAGCTGGCCCTGGACTCCCTAAGGGCTGTGGCACTGTCTGCTCTCCGGTCTCGCAAGGGCCG
AGAGGTGTACCGGATTTTCGGCAAGGCCCCAGGAACCCCGCACAGCCACACCAAACCTACGTCCGCTCC
AAGGGCCGGAAGTTCGAGCGTGCCAGAGGCCGACGGGCCAGCCGAGGCTACAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231902 representing NM_001270490
Red=Cloning site Green=Tags(s)

MLYRFLARRNSTFNQVVLKRLFMSRTNRPPLSLSRMIRKMKLPGRENKTAVVVGTITDDVRVQEVPKLK
VCALRVTSRARSRILRAGGKILTFDQLALDSPKGCCTVLLSGPRKGREYRHFHGKAPGTPHSHTKPYVRS
KGRKFERARGRRASRGYKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

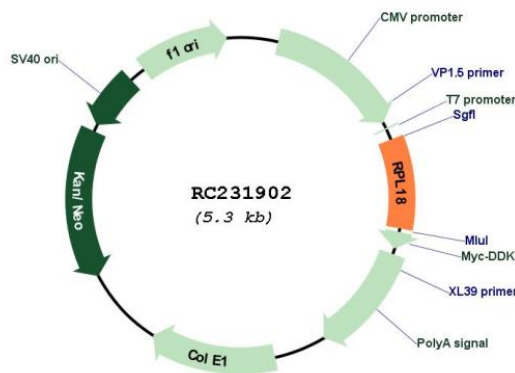


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001270490

ORF Size: 477 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.

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|-------------------------------|--|
| 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_001270490.2</u> |
| RefSeq Size: | 806 bp |
| RefSeq ORF: | 480 bp |
| Locus ID: | 6141 |
| UniProt ID: | <u>Q07020</u> |
| Cytogenetics: | 19q13.33 |
| Protein Pathways: | Ribosome |
| MW: | 18.5 kDa |
| Gene Summary: | Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L18E family of ribosomal proteins that is a component of the 60S subunit. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012] |