

Product datasheet for RC218203

RPL19 (NM_000981) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL19 (NM_000981) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPL19
Synonyms: L19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218203 representing NM_000981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTATGCTCAGGCTTCAGAAGAGGCTCGCCTCTAGTGTCTCCGCTGTGGCAAGAAGAAGGTCTGGT
 TAGACCCCAATGAGACCAATGAAATCGCCAATGCCAACTCCCGTCAGCAGATCCGGAAGCTCATCAAGA
 TGGGCTGATCATCCGCAAGCCTGTGACGGTCCATTCGCGGCTCGATGCCGAAAAACACCTTGCCCGC
 CGGAAGGGCAGGCACATGGGCATAGGTAAGCGGAAGGTACAGCCAATGCCGAATGCCAGAGAAGGTCA
 CATGGATGAGGAGAATGAGGATTTTGCGCCGGCTGCTCAGAAGATACCGTGAATCTAAGAAGATCGATCG
 CCACATGTATCACAGCCTGTACCTGAAGGTGAAGGGGAATGTGTTCAAAAACAAGCGGATTCTCATGGAA
 CACATCCACAAGCTGAAGGCAGACAAGGCCCGCAAGAAGCTCCTGGCTGACCAGGCTGAGCCCCGAGGT
 CTAAGACCAAGGAAGCACGCAAGCGCCGTGAAGAGCGCCTCCAGGCCAAGAAGGAGGAGATCATCAAGAC
 TTTATCCAAGGAGGAAGAGACCAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218203 representing NM_000981
 Red=Cloning site Green=Tags(s)

MSMLRLQKRLASSVLRGKKKVWLPNETNEIANANSRQQIRKLIKDGLIIRKPVTVHSRARCRCRNTLAR
 RKGRHMGIGKRKGTANARMPKVTWRRMRILRRLRRYRESKKIDRHMYHSLYLKVKGNVFNKRILME
 HIHKLKADKARKKLLADQAEARRSKTKEARKREERLQAKKEEIIKTLKKEEETKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

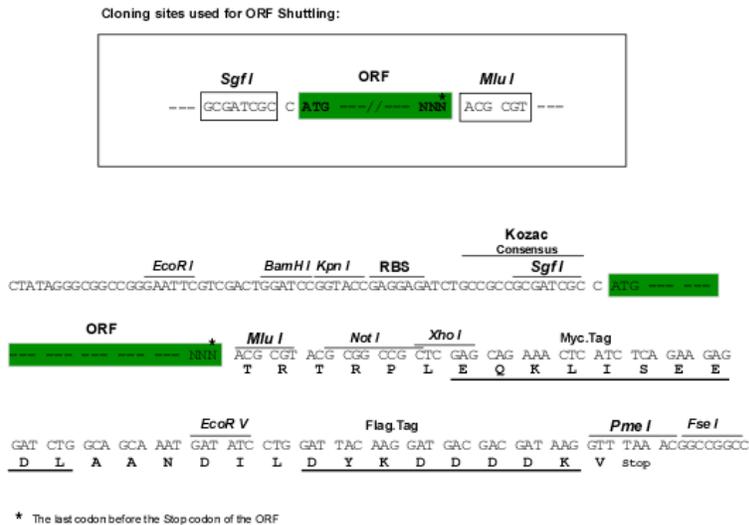


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Chromatograms: https://cdn.origene.com/chromatograms/mk6036_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000981

ORF Size: 588 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_000981.4](#)

RefSeq Size: 748 bp

RefSeq ORF: 591 bp

Locus ID: 6143

UniProt ID: [P84098](#)

Cytogenetics: 17q12

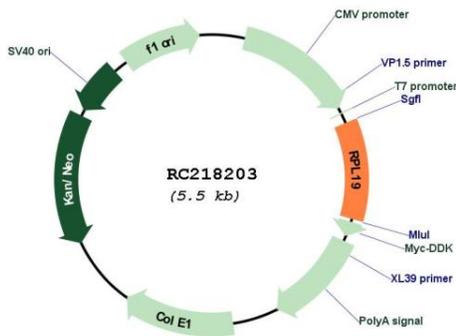
Domains: Ribosomal_L19e

Protein Pathways: Ribosome

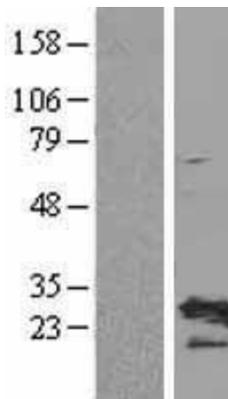
MW: 23.3 kDa

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 ribosomal protein that is a component of the 60S subunit. The protein belongs to the L19E family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

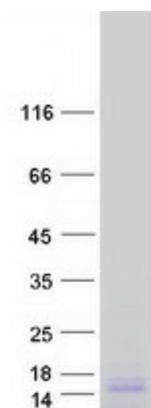
Product images:



Circular map for RC218203



Western blot validation of overexpression lysate (Cat# [LY400353]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218203 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RPL19 protein (Cat# [TP318203]). The protein was produced from HEK293T cells transfected with RPL19 cDNA clone (Cat# RC218203) using MegaTran 2.0 (Cat# [TT210002]).